

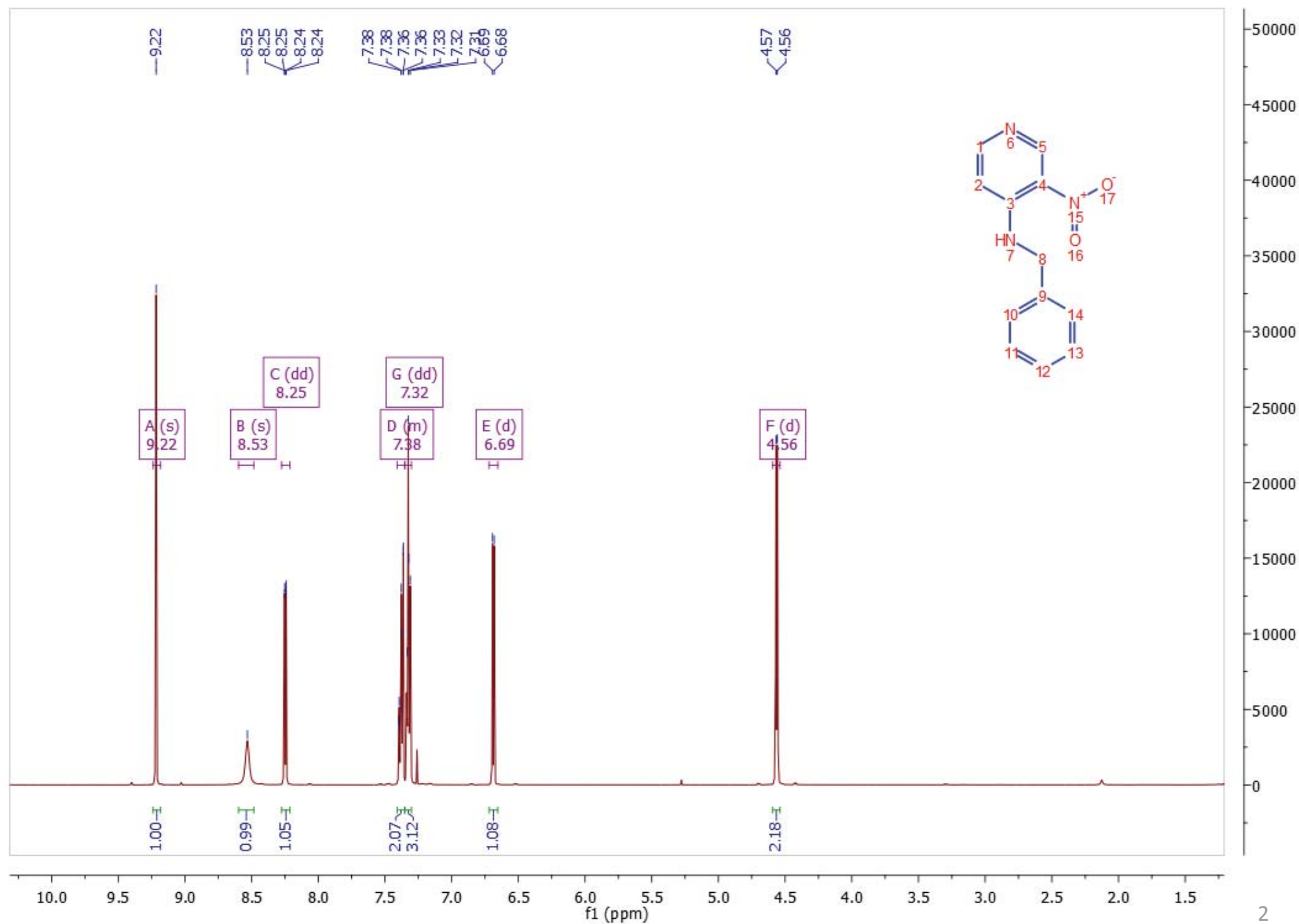
# Supplementary Information

## **Structure-Activity Relationships in Toll-like Receptor 7 Agonistic 1*H*-Imidazo[4,5-*c*]pyridines**

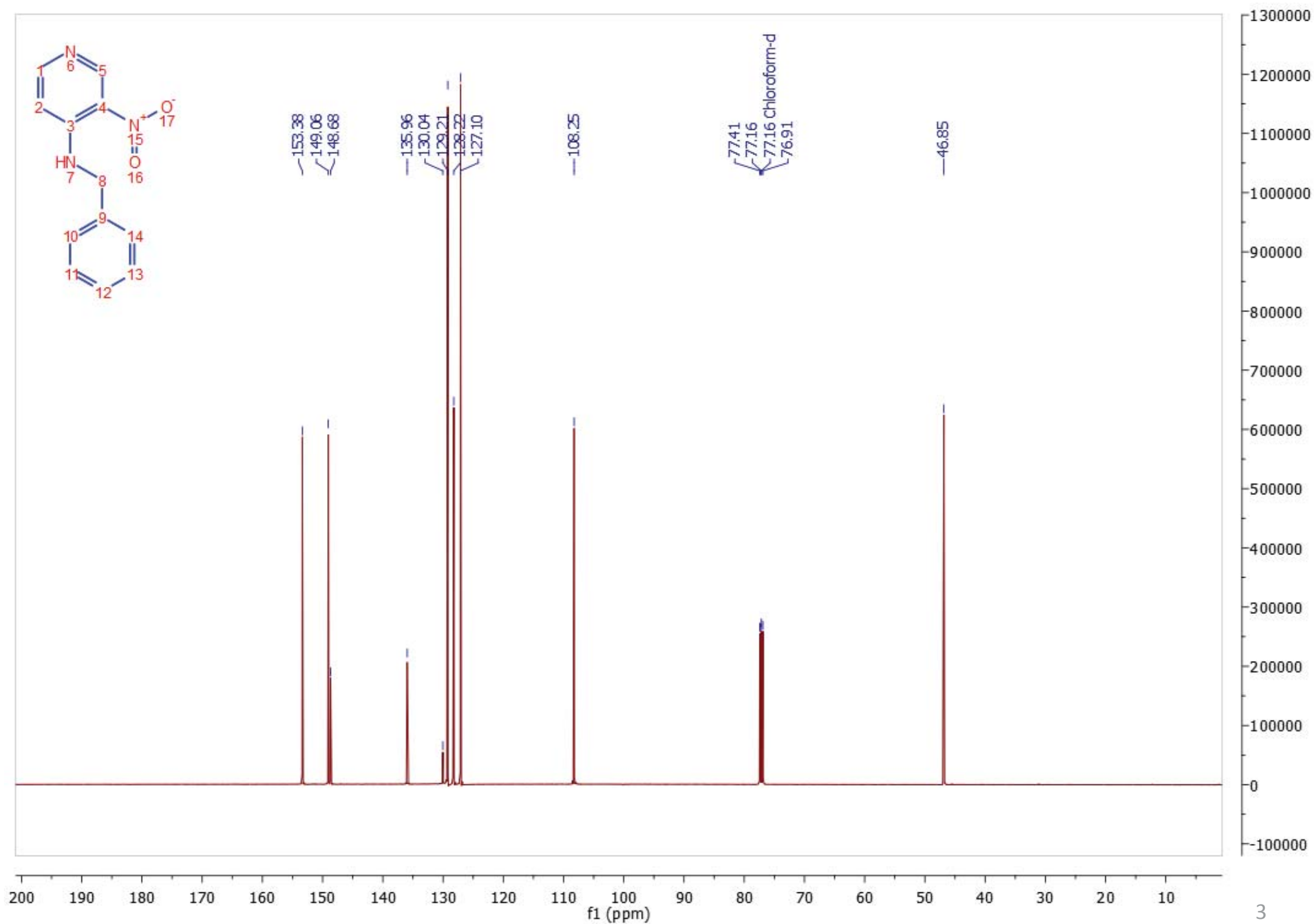
Euna Yoo, Breanna M. Crall, Rajalakshmi Balakrishna, Subbalakshmi S.  
Malladi, Lauren M. Fox, Alec R. Hermanson and Sunil A. David\*

Department of Medicinal Chemistry  
University of Kansas

# **1** $^1\text{H}$ NMR

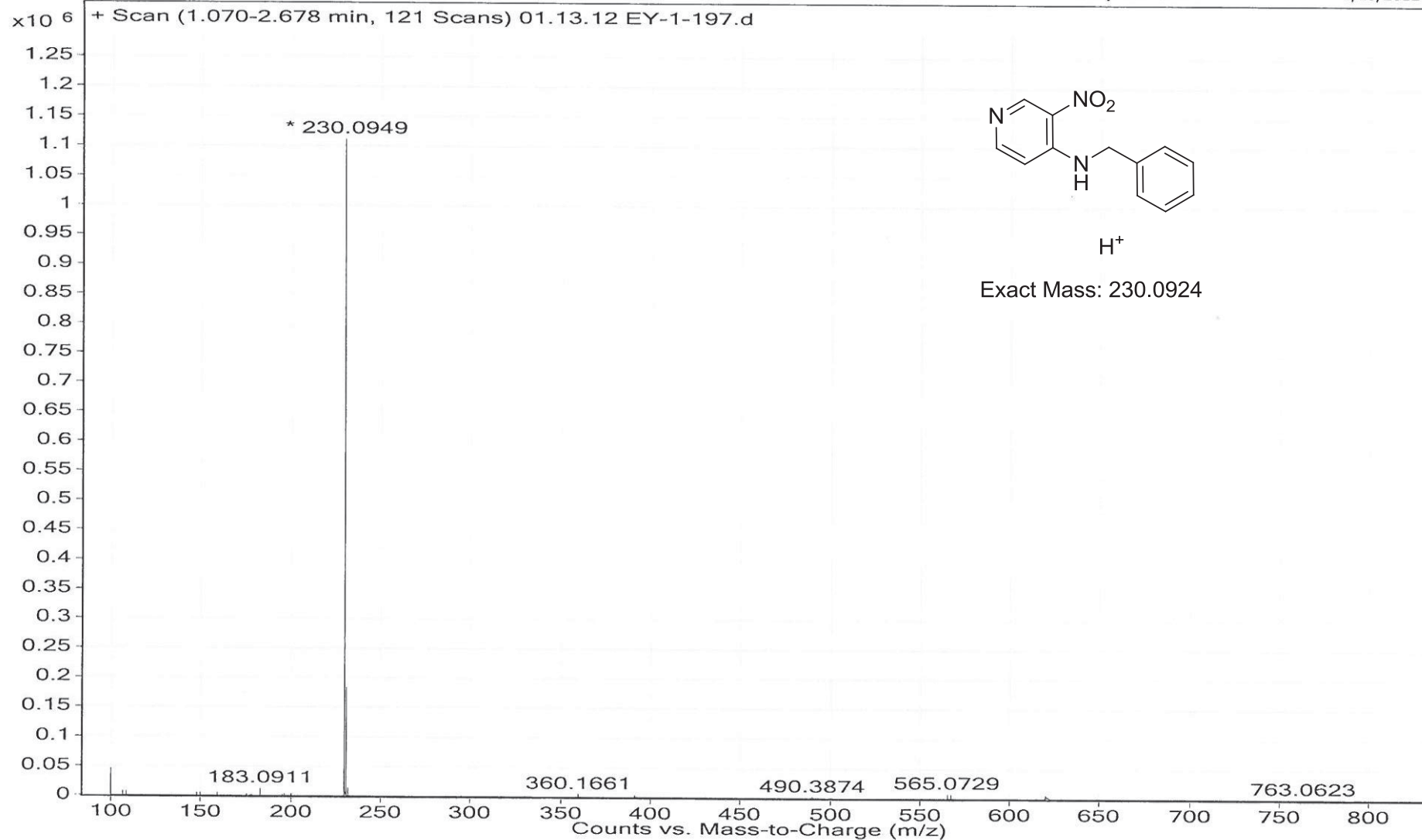


# 1 <sup>13</sup>C NMR



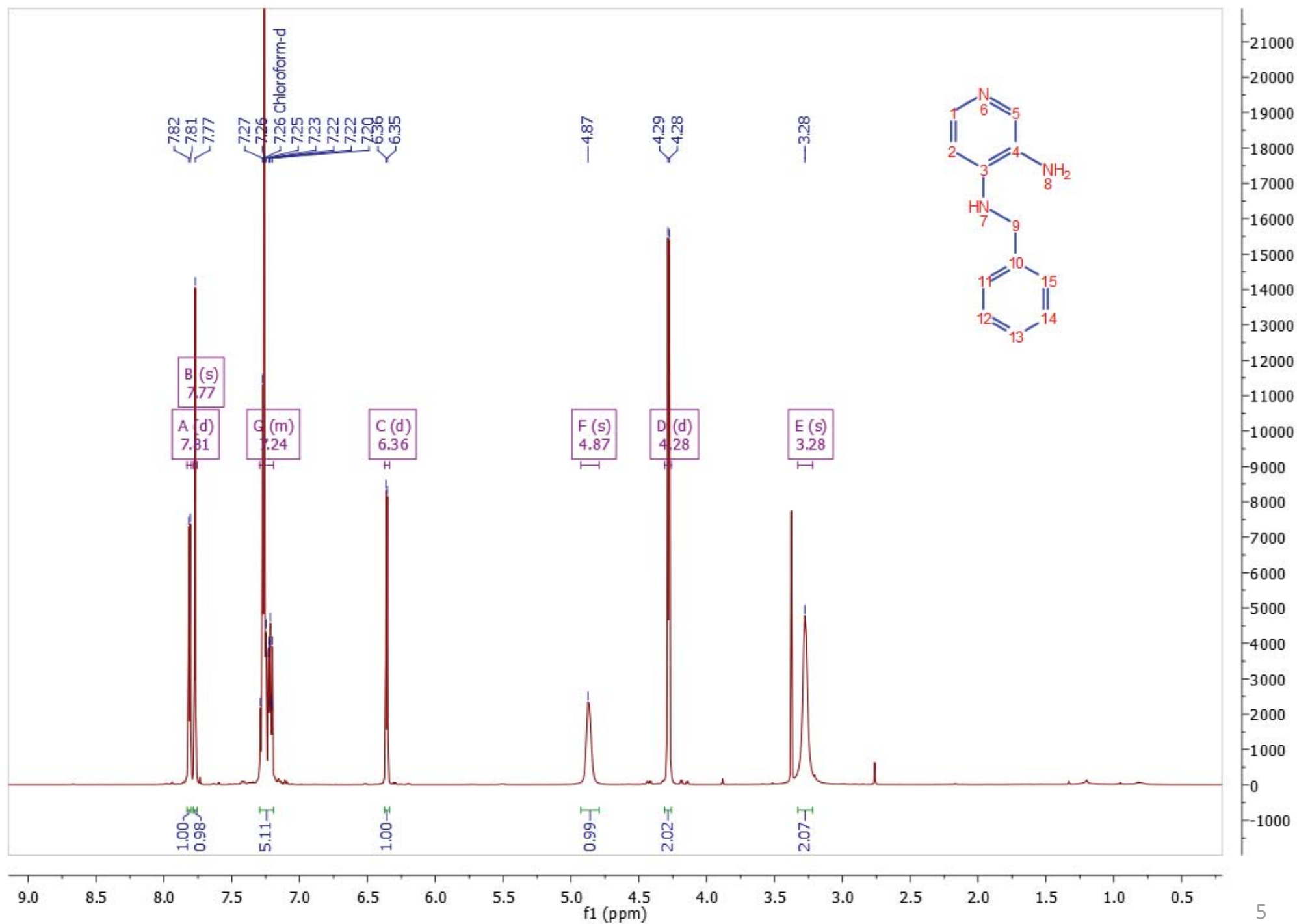
# 1 MS

Sample Name	01.13.12 EY-1-197	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	01.13.12 EY-1-197.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	1/13/2012 12:47:41 PM

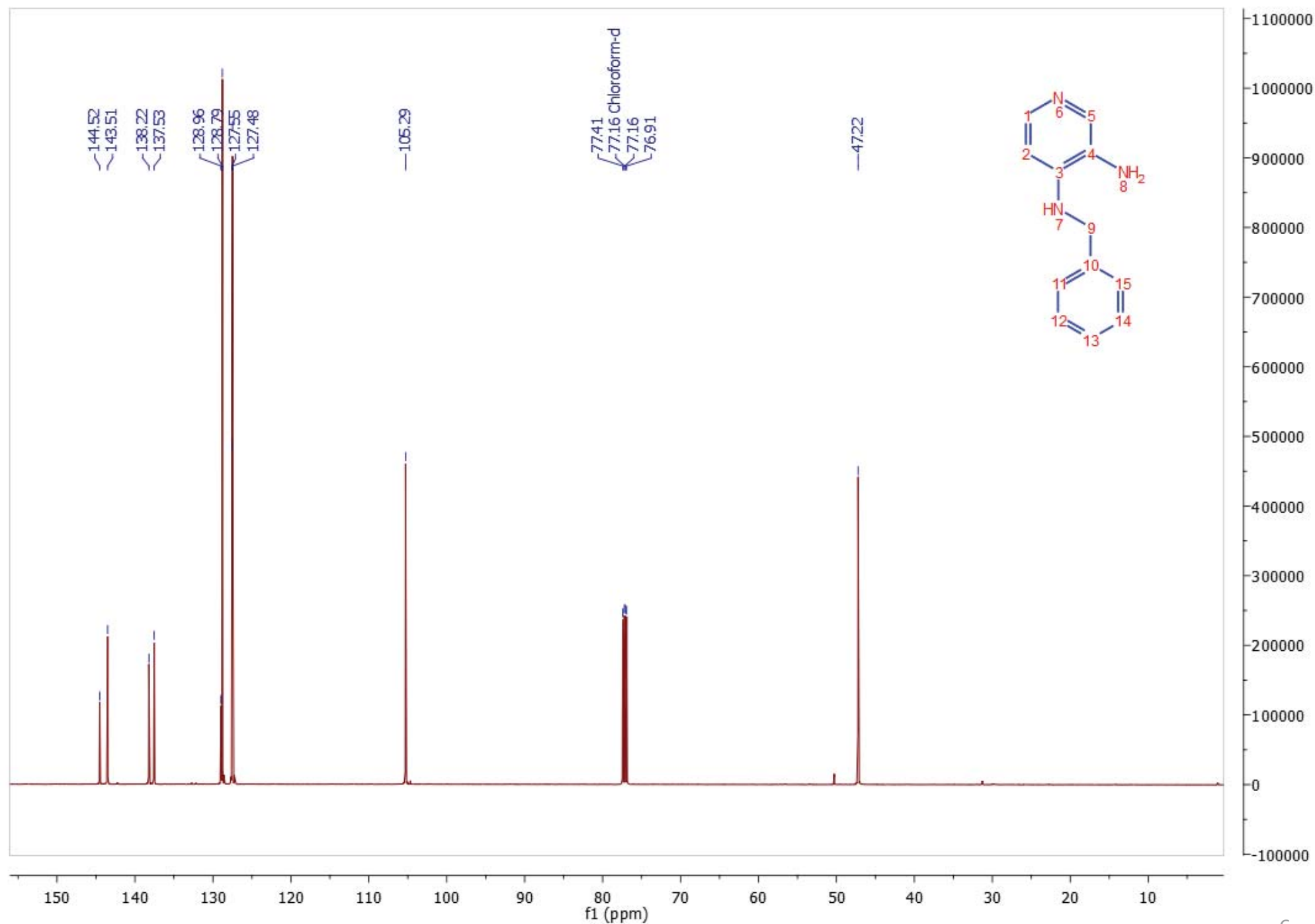




# <sup>2</sup> H NMR

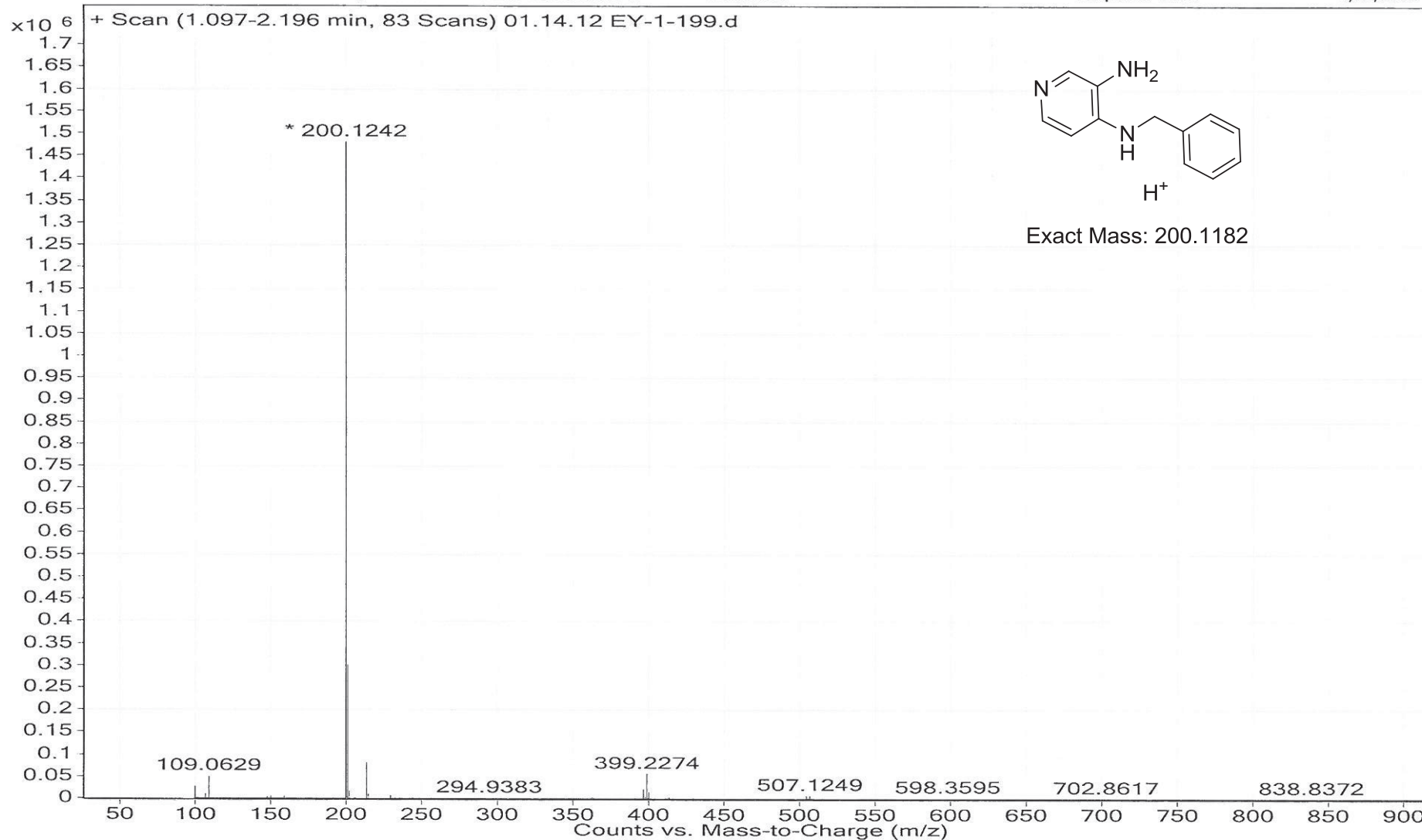


## <sup>2</sup> <sup>13</sup>C NMR

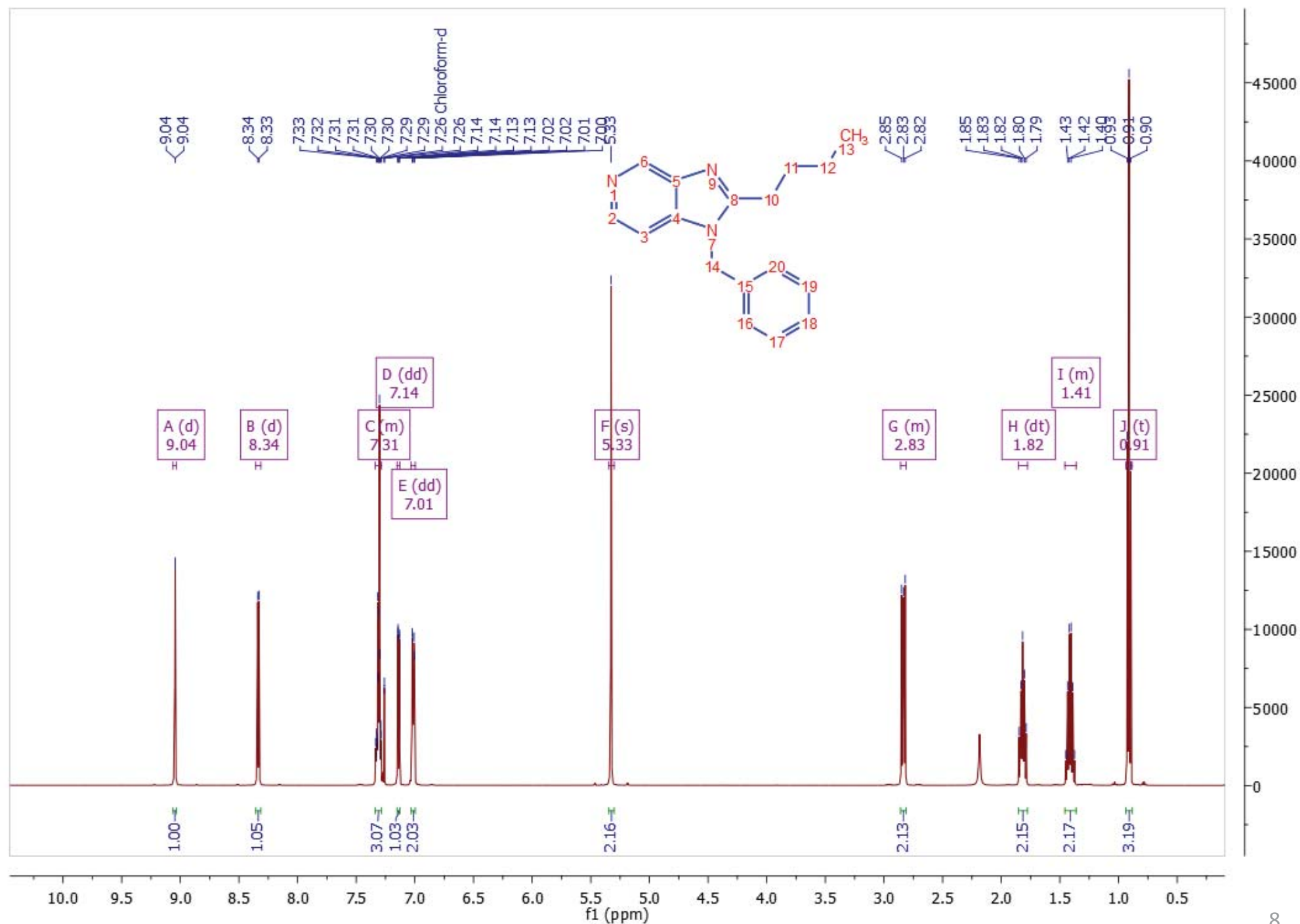


## 2 MS

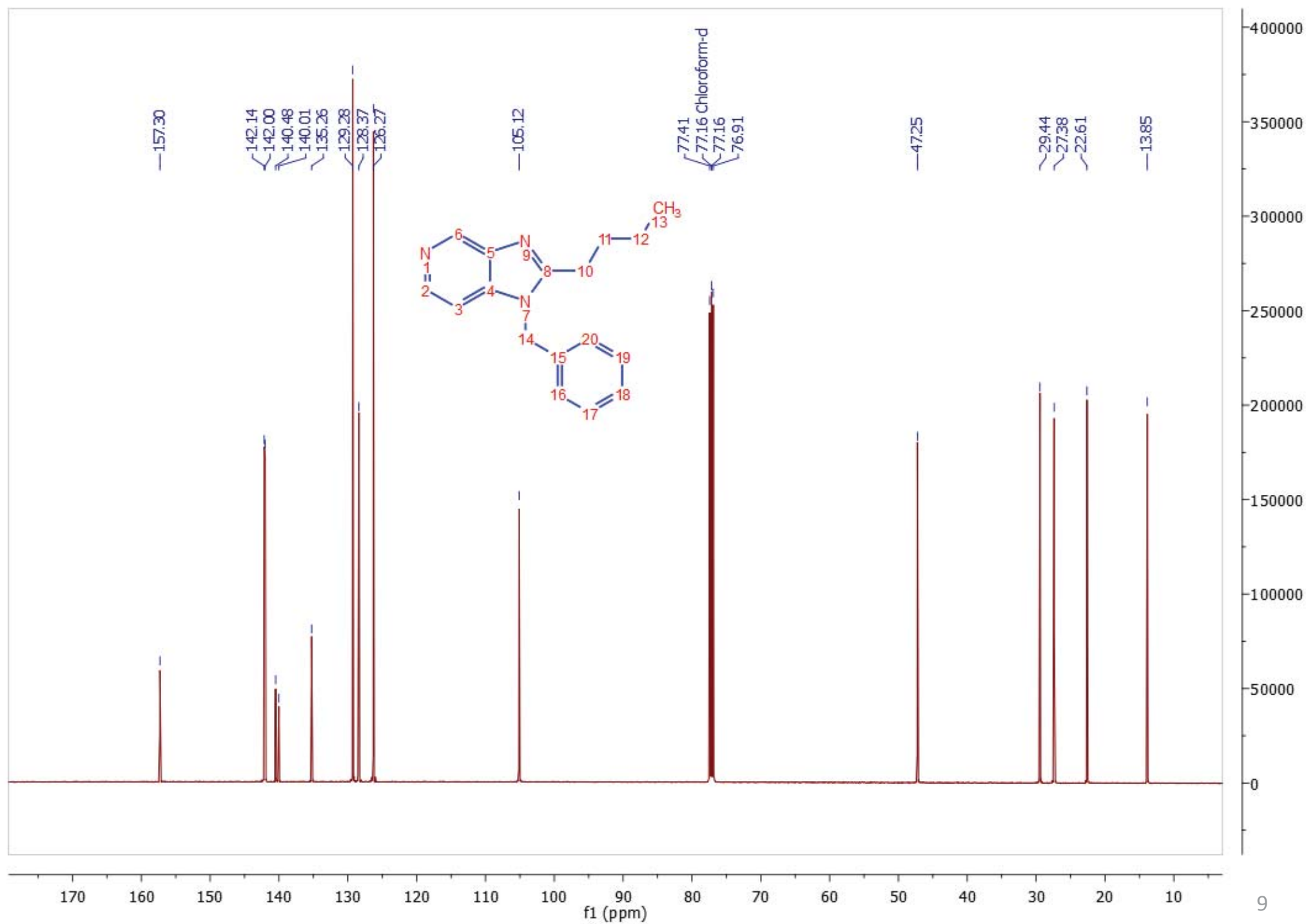
Sample Name	01.14.12 EY-1-199	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	01.14.12 EY-1-199.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	1/14/2012 4:36:21 PM



# 3 <sup>1</sup>H NMR

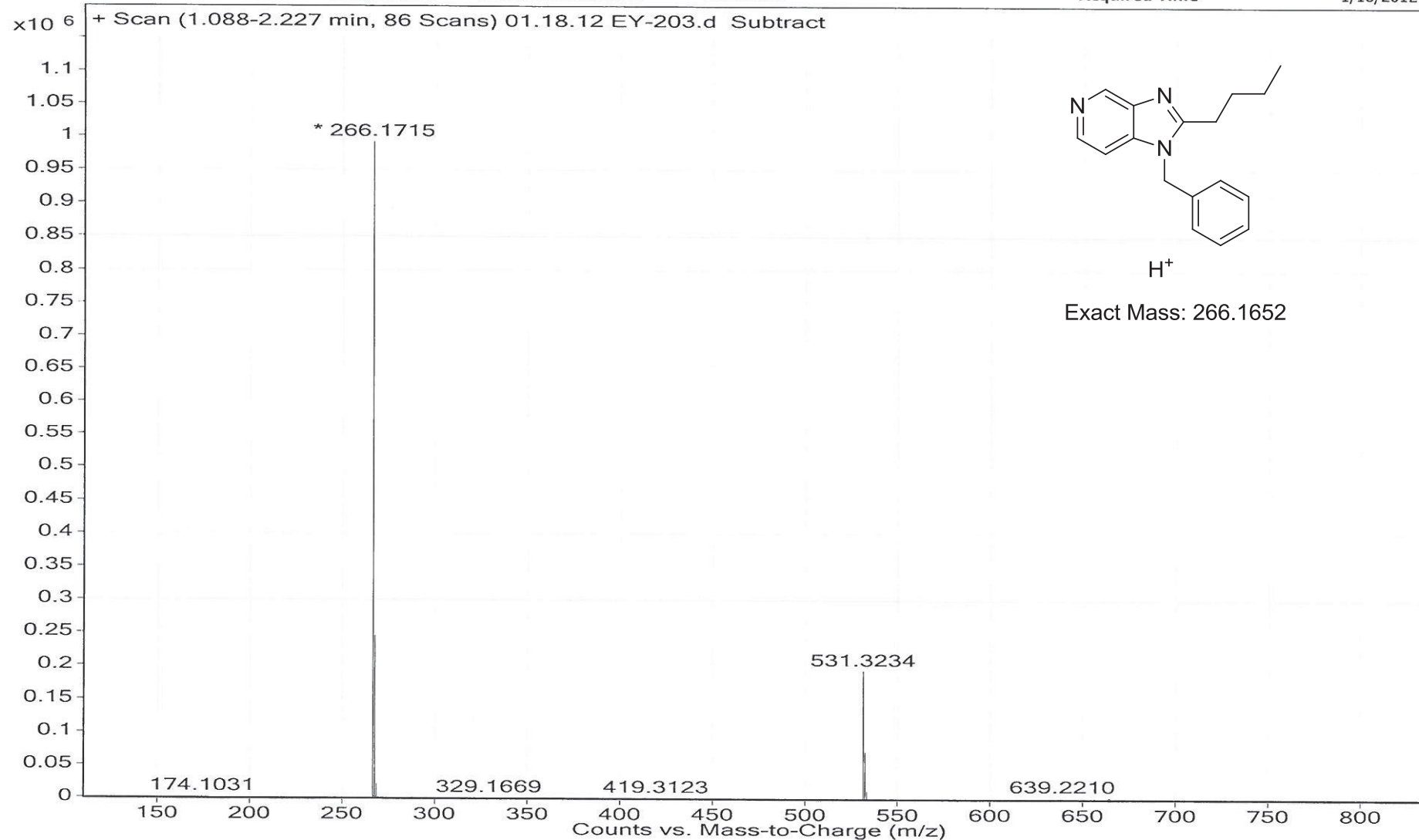


### 3 $^{13}\text{C}$ NMR

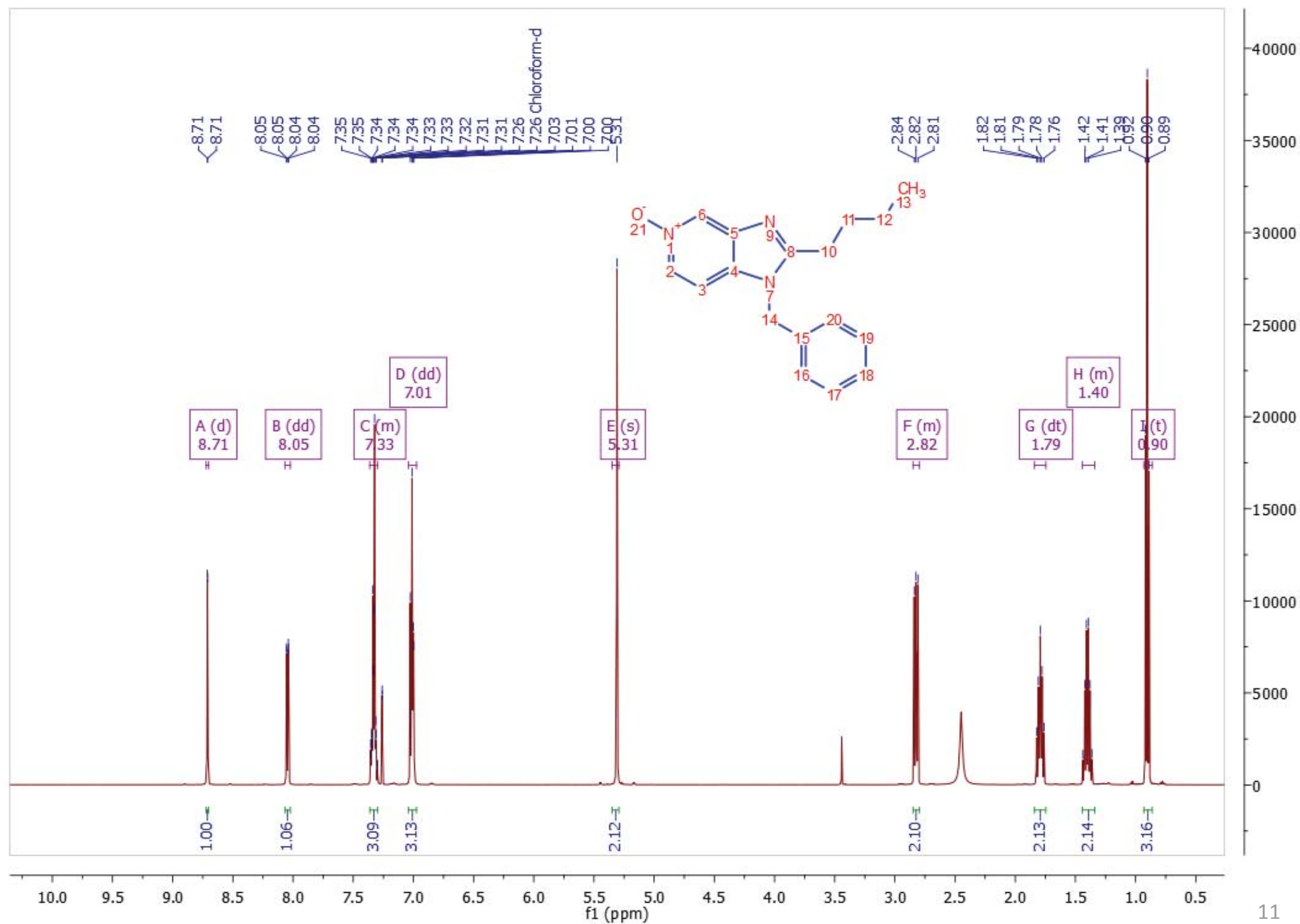


### 3 MS

Sample Name	01.18.12 EY-203	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	01.18.12 EY-203.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	1/18/2012 10:48:09 AM

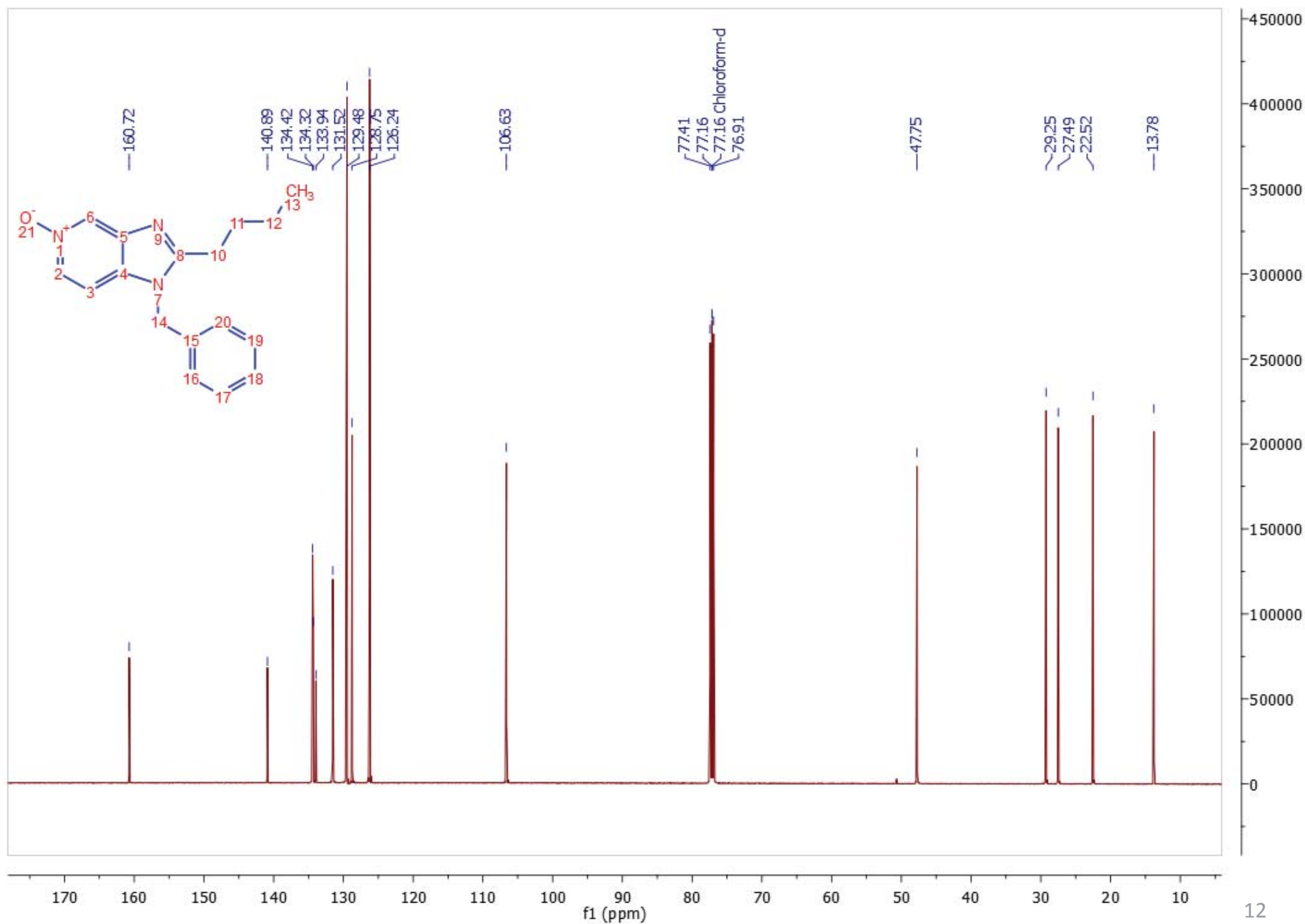


# 4 <sup>1</sup>H NMR





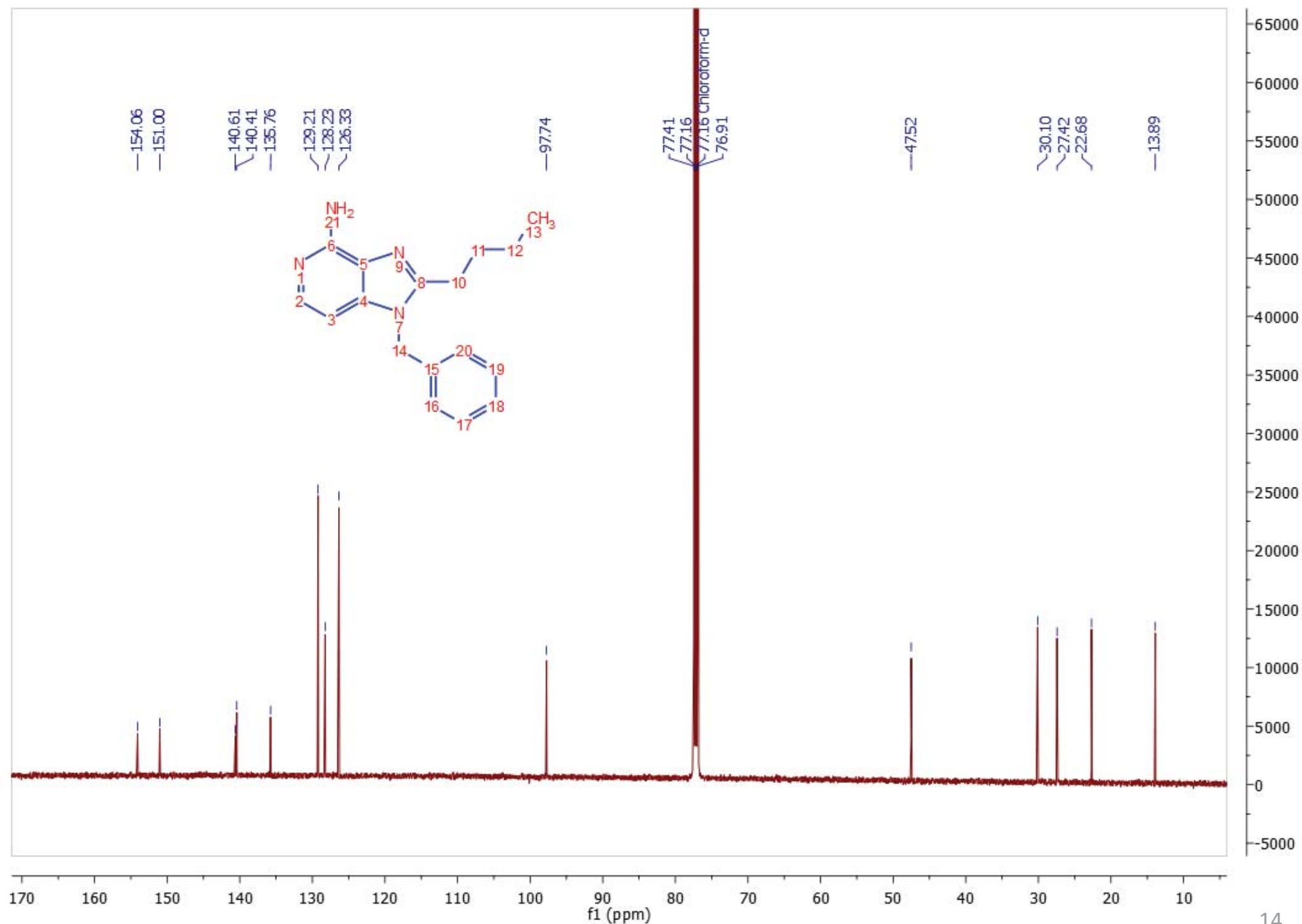
# 4 <sup>13</sup>C NMR





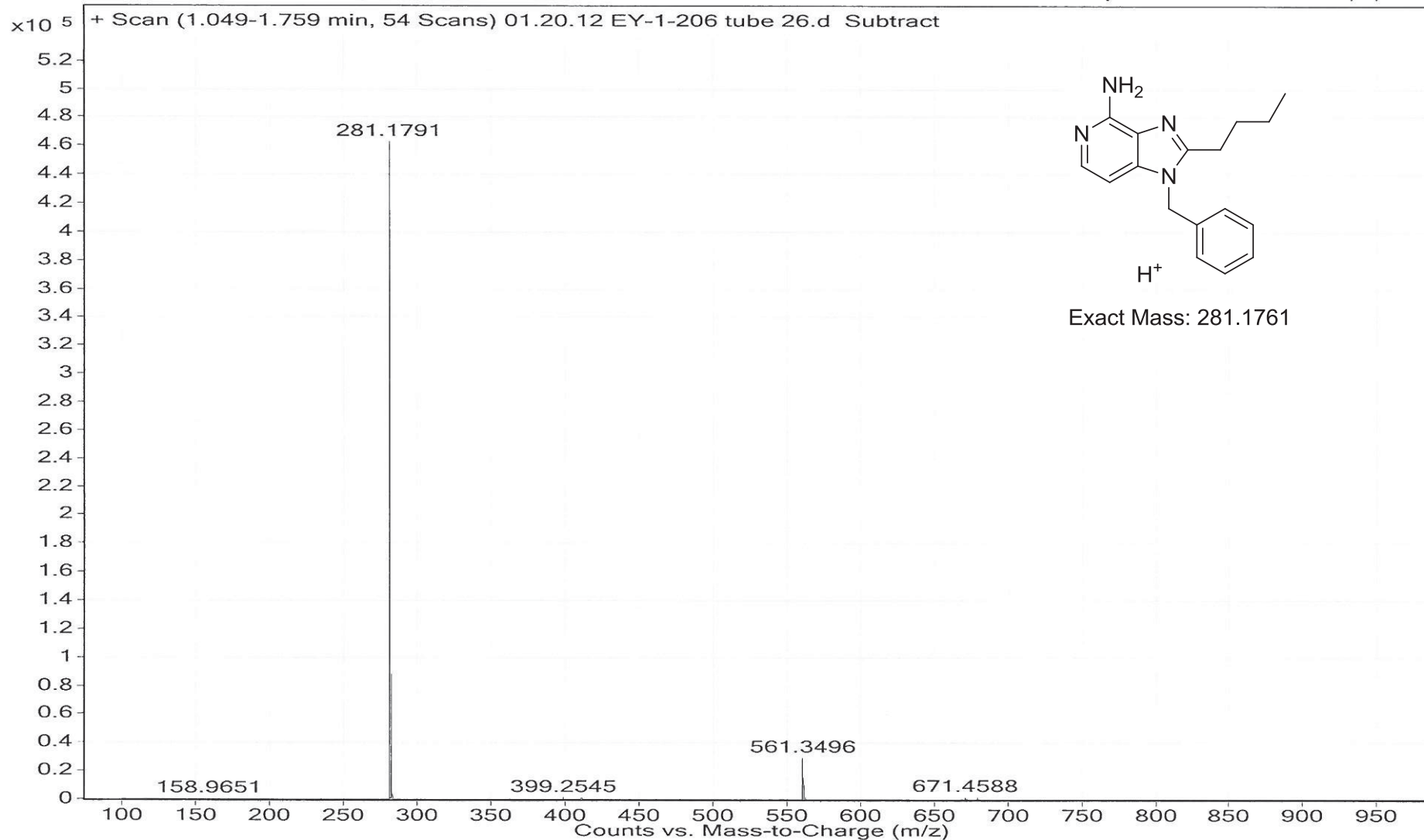


# 5 <sup>13</sup>C NMR

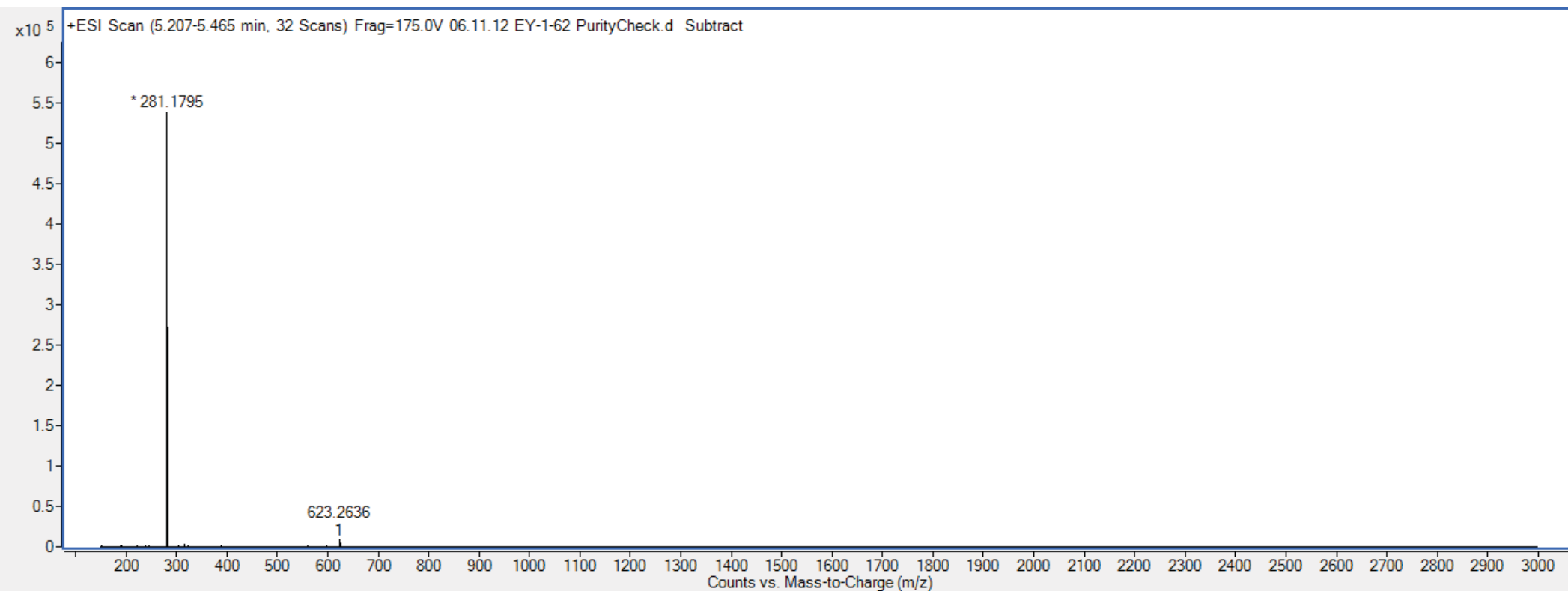
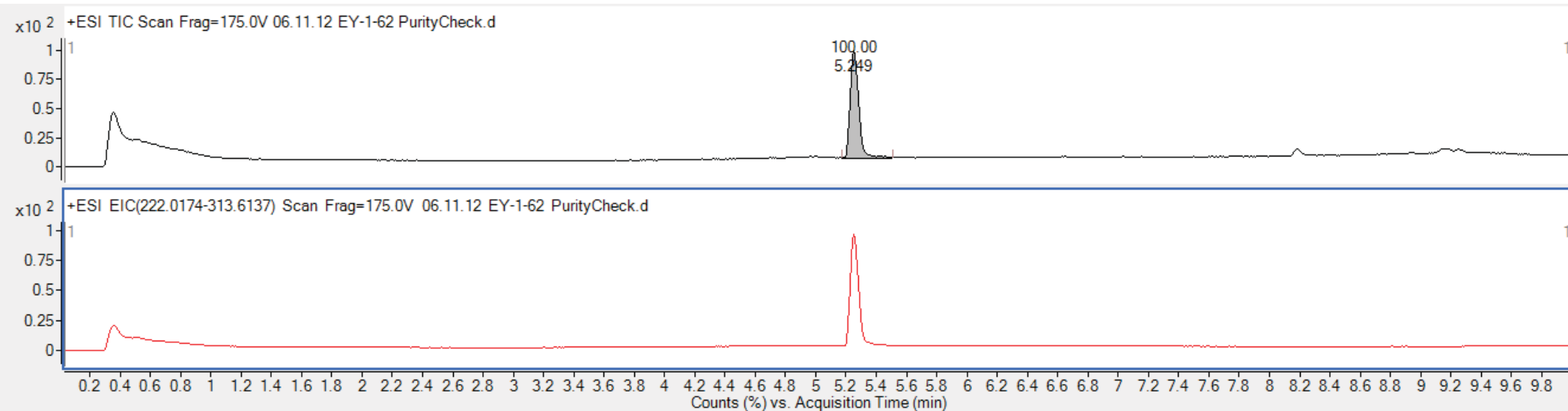


# 5 MS

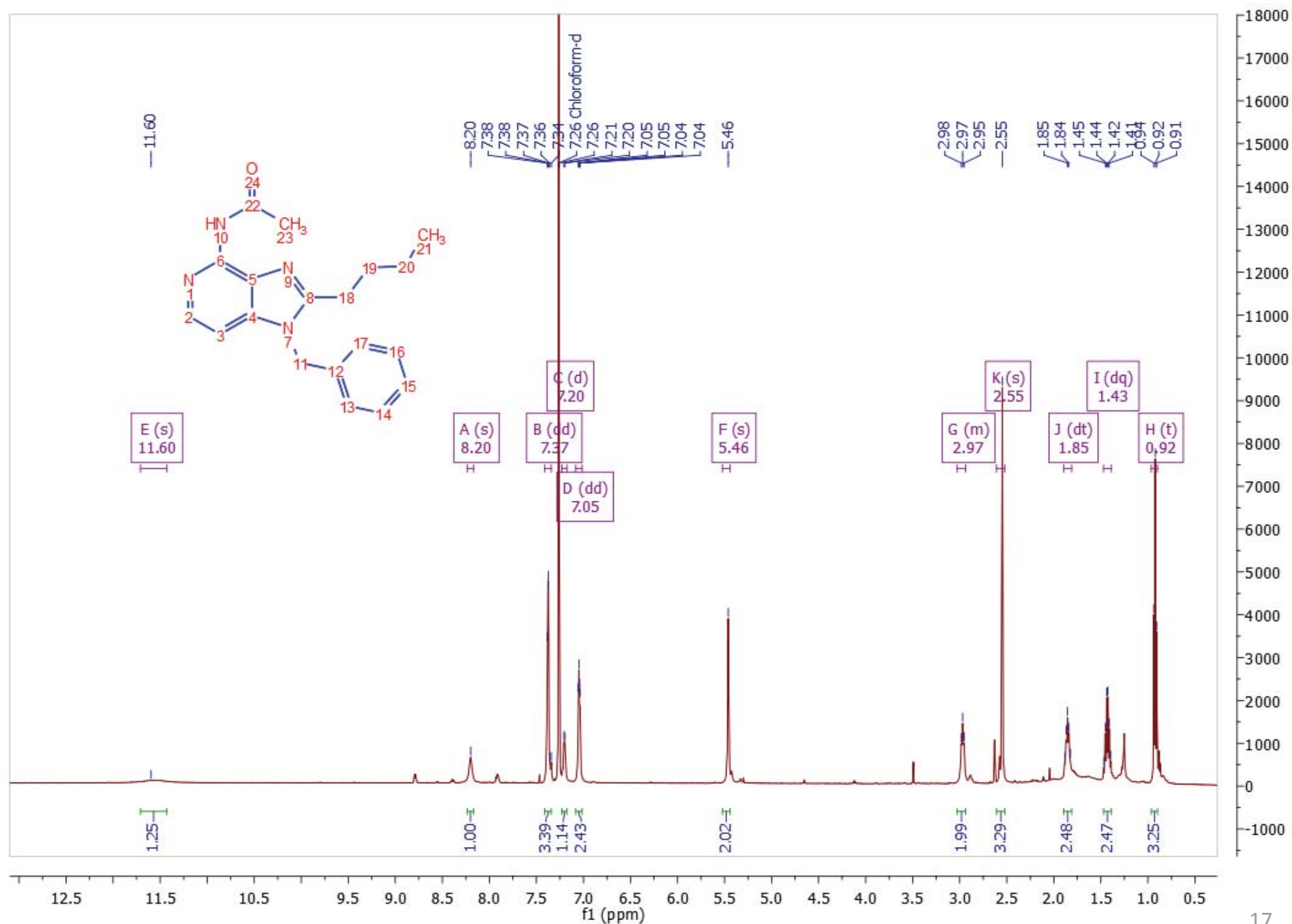
Sample Name	01.20.12 EY-1-206 tu	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	01.20.12 EY-1-206 tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	1/20/2012 1:32:27 PM



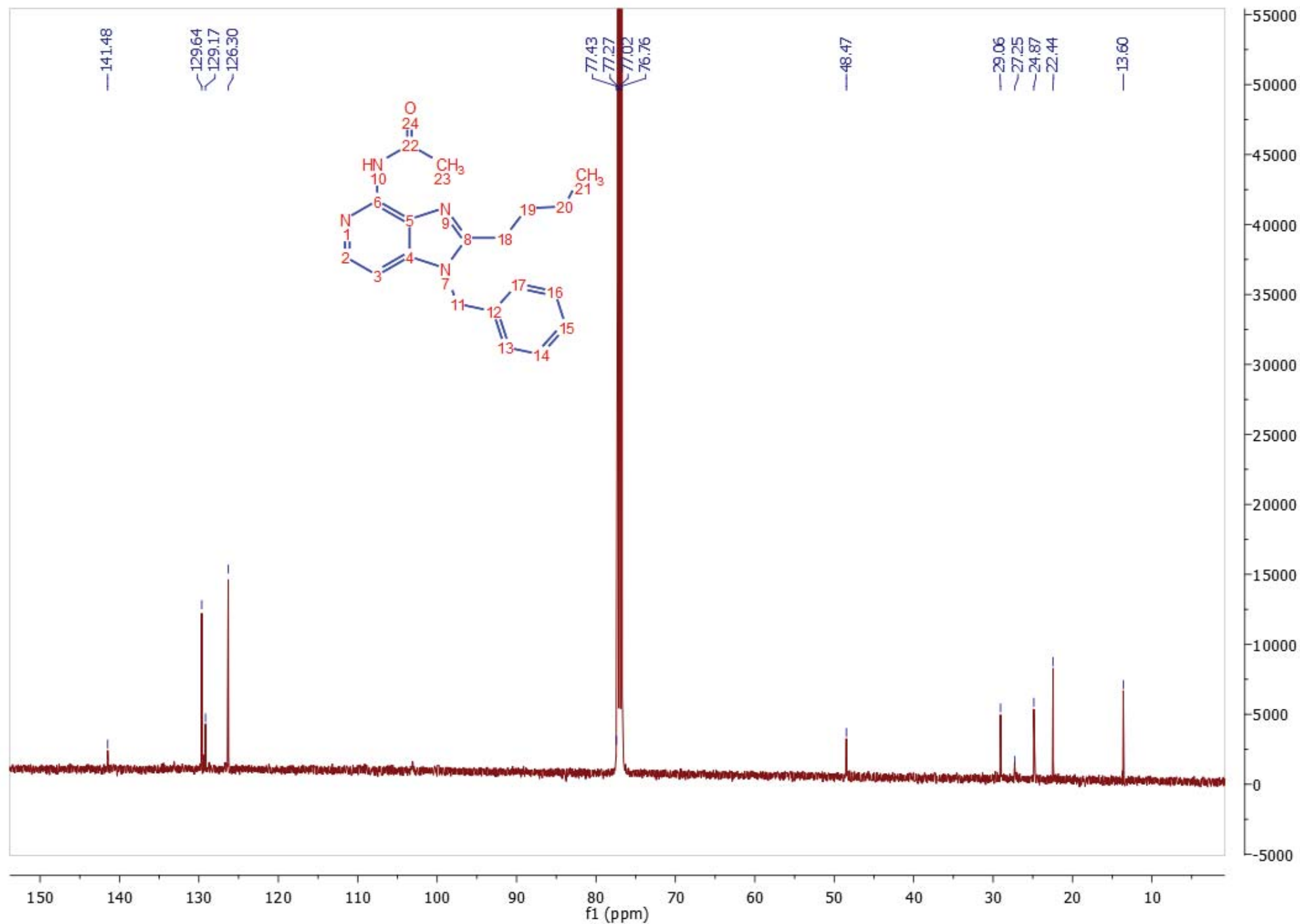
## 5 LC-MS



# 6a <sup>1</sup>H NMR

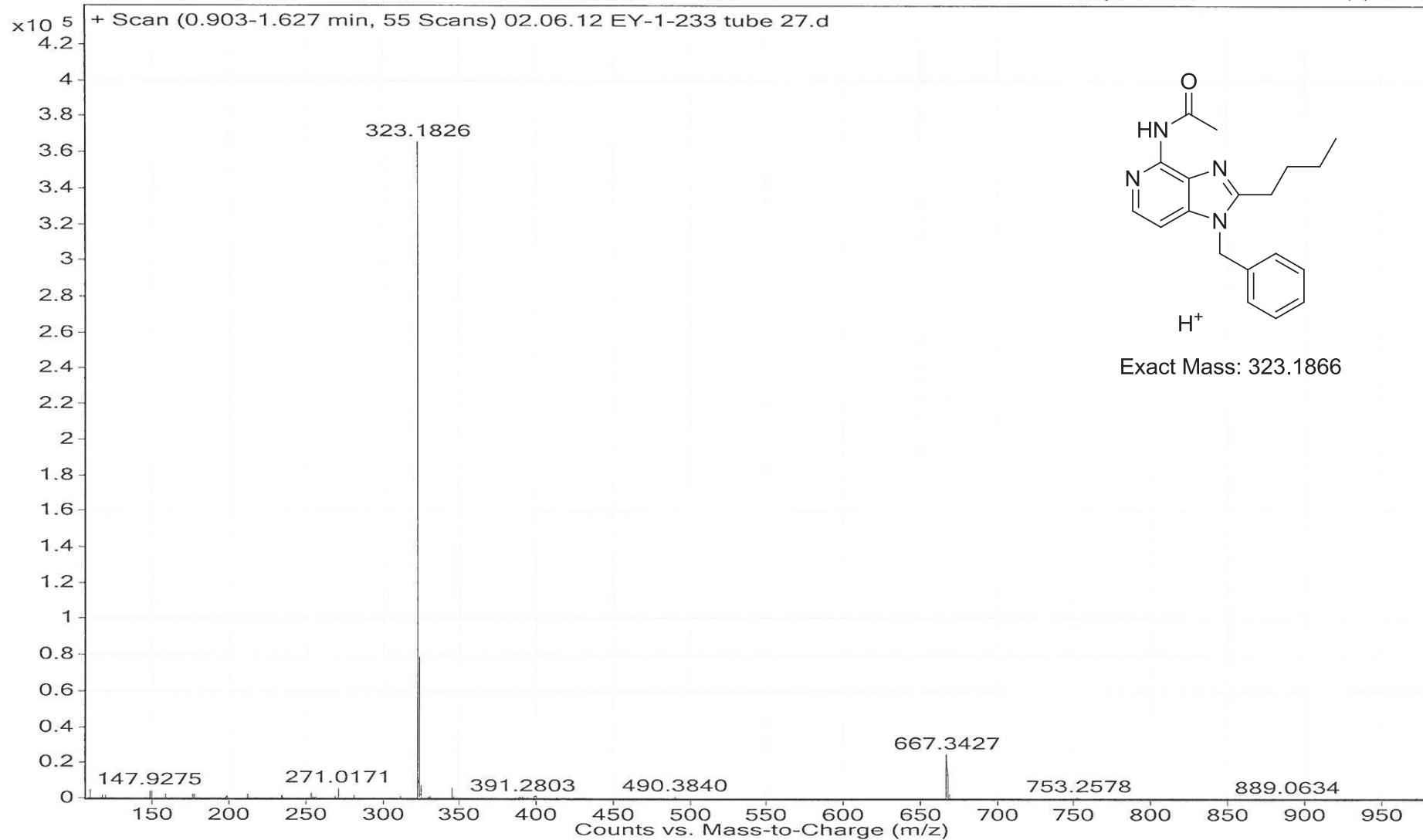


# 6a <sup>13</sup>C NMR

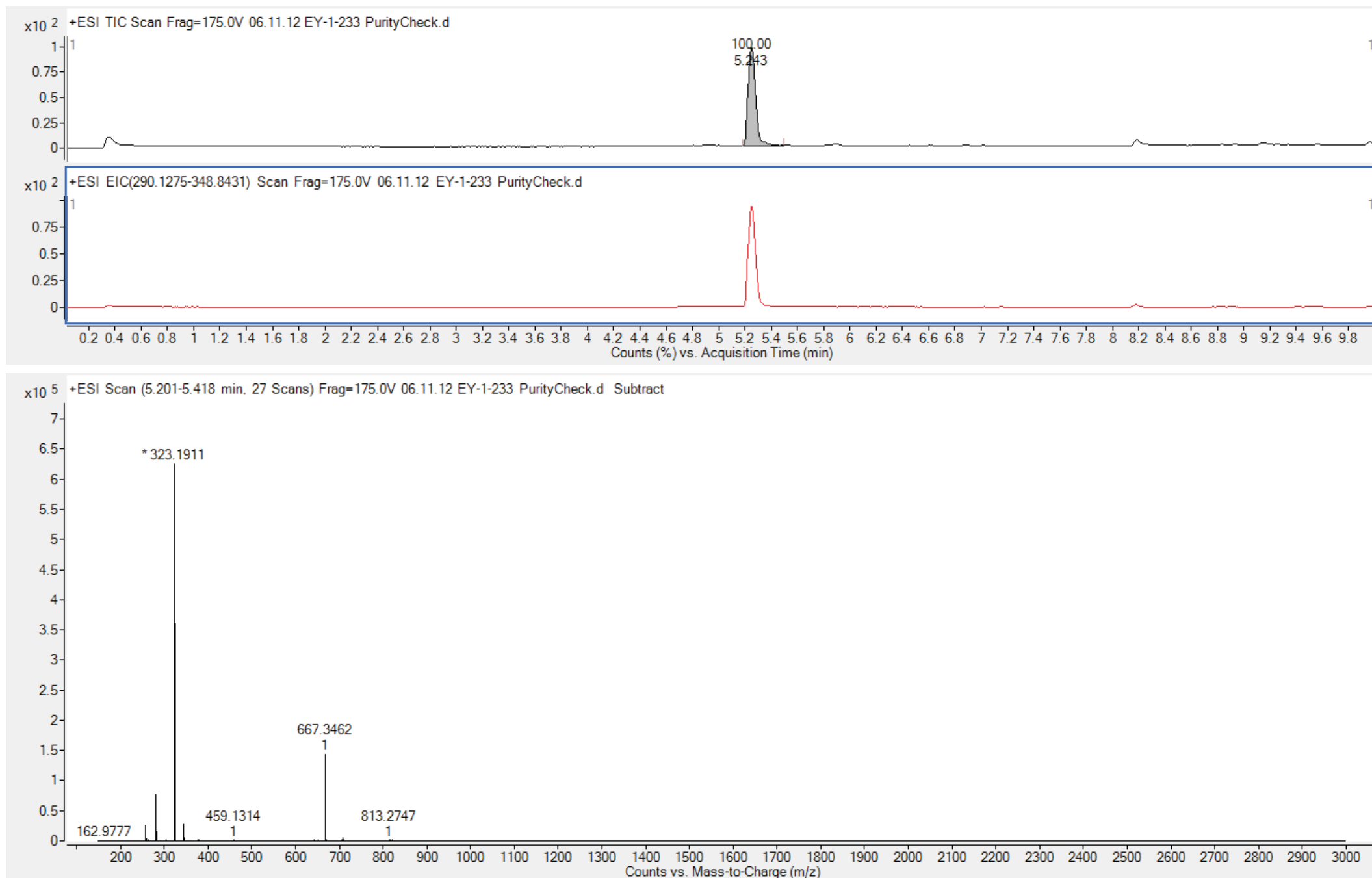


## 6a MS

Sample Name	02.06.12 EY-1-233 tu	Position	Vial 2	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	02.06.12 EY-1-233 tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	2/6/2012 3:47:24 PM

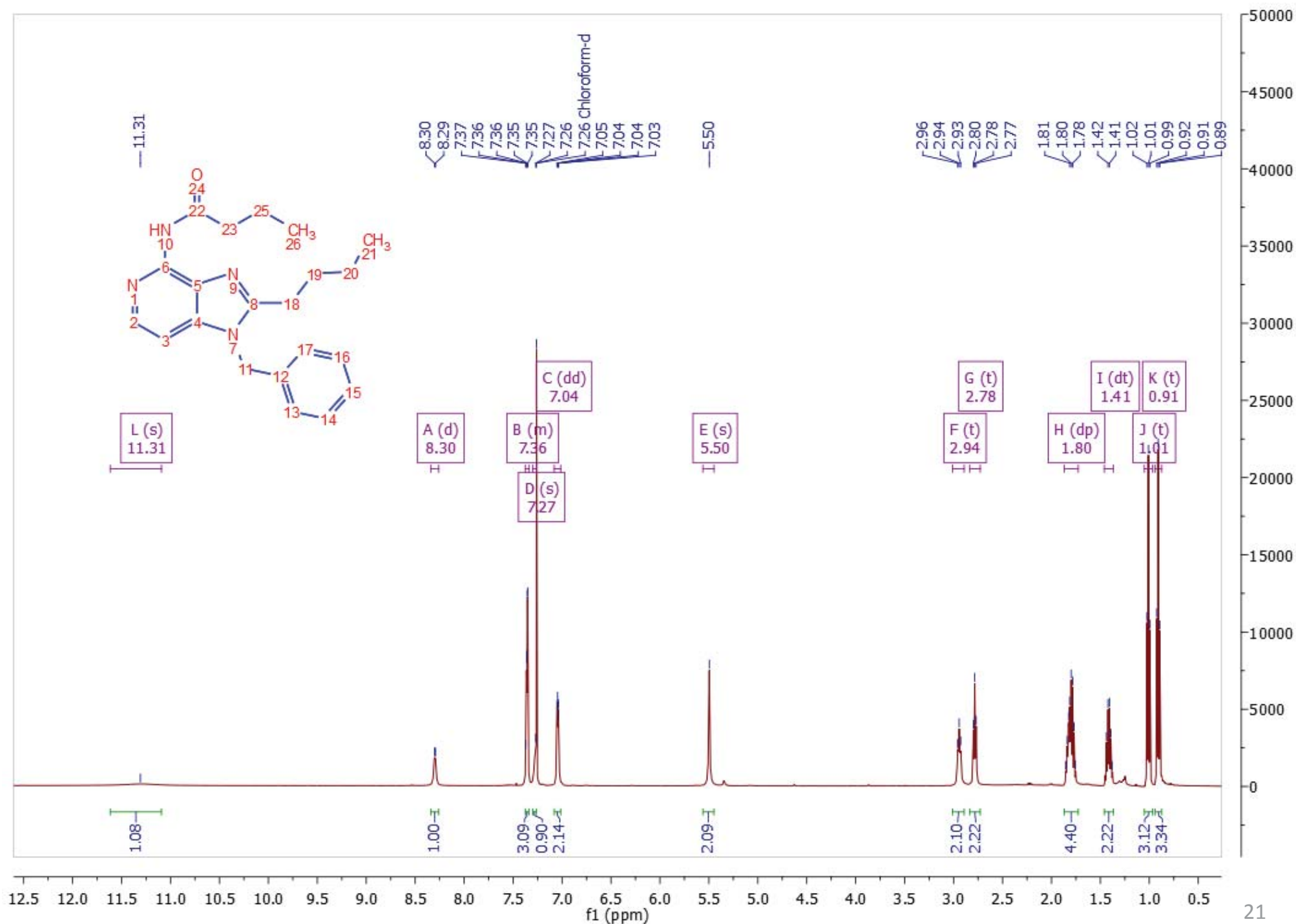


## 6a LC-MS

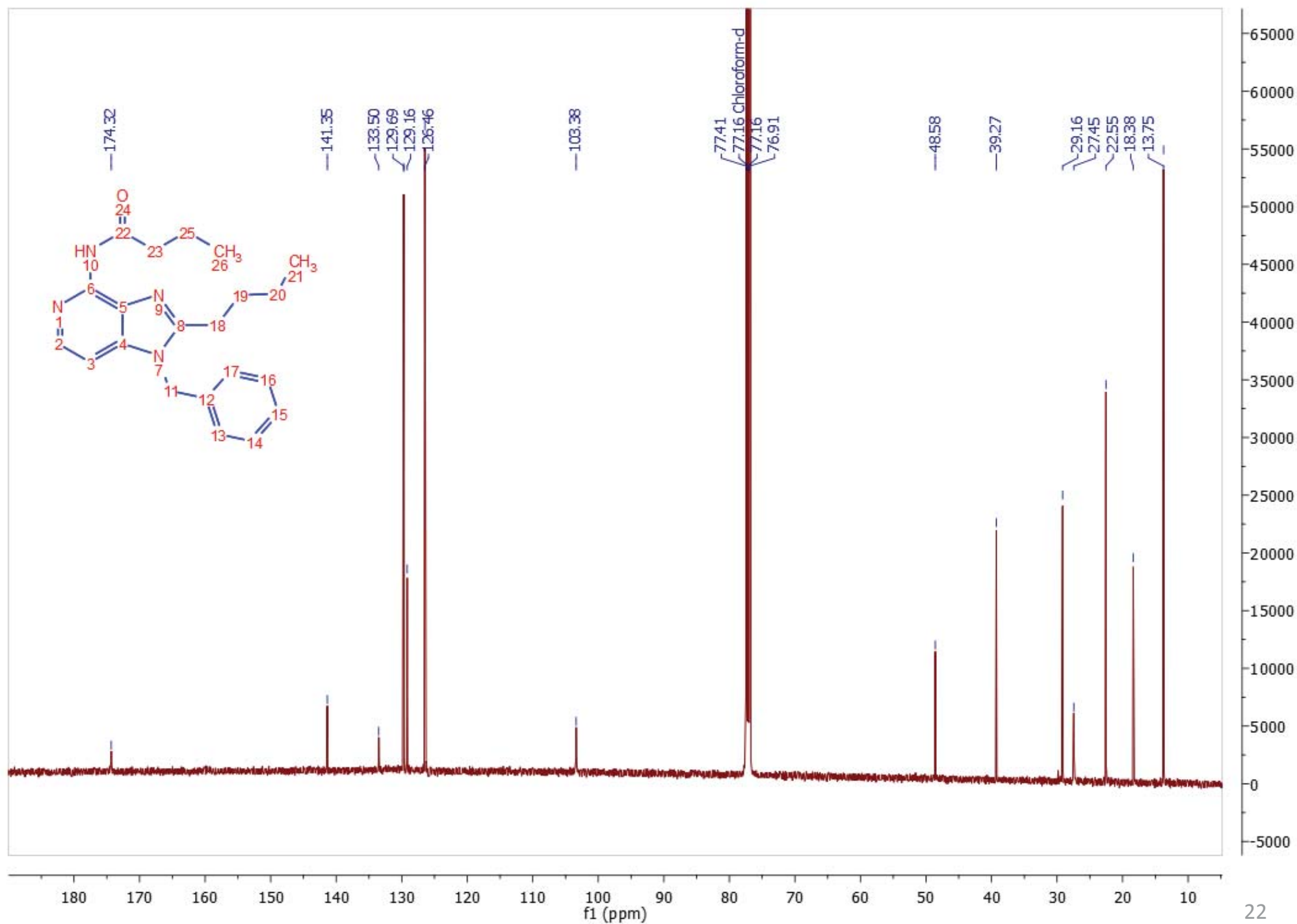




# 6b <sup>1</sup>H NMR

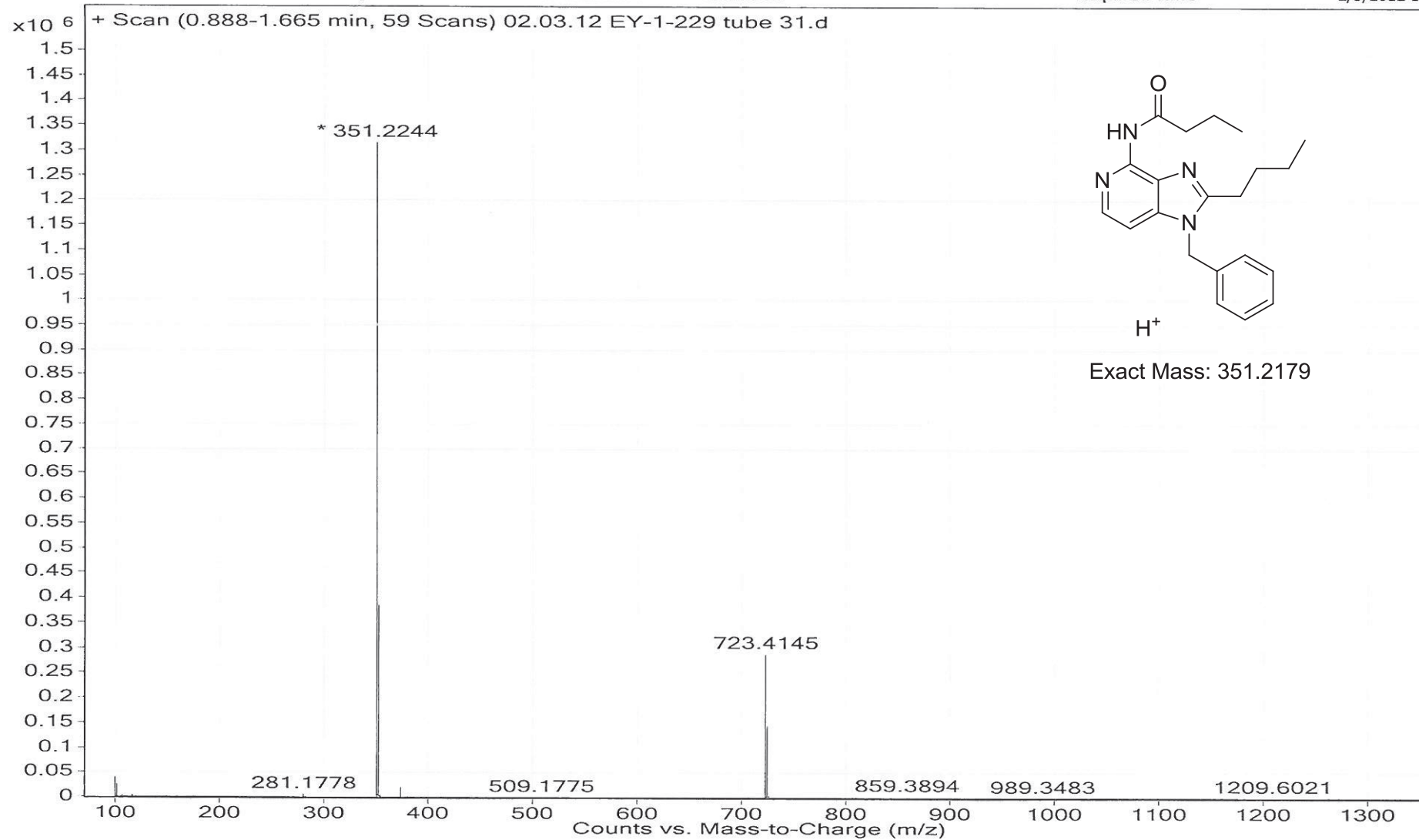


# 6b <sup>13</sup>C NMR

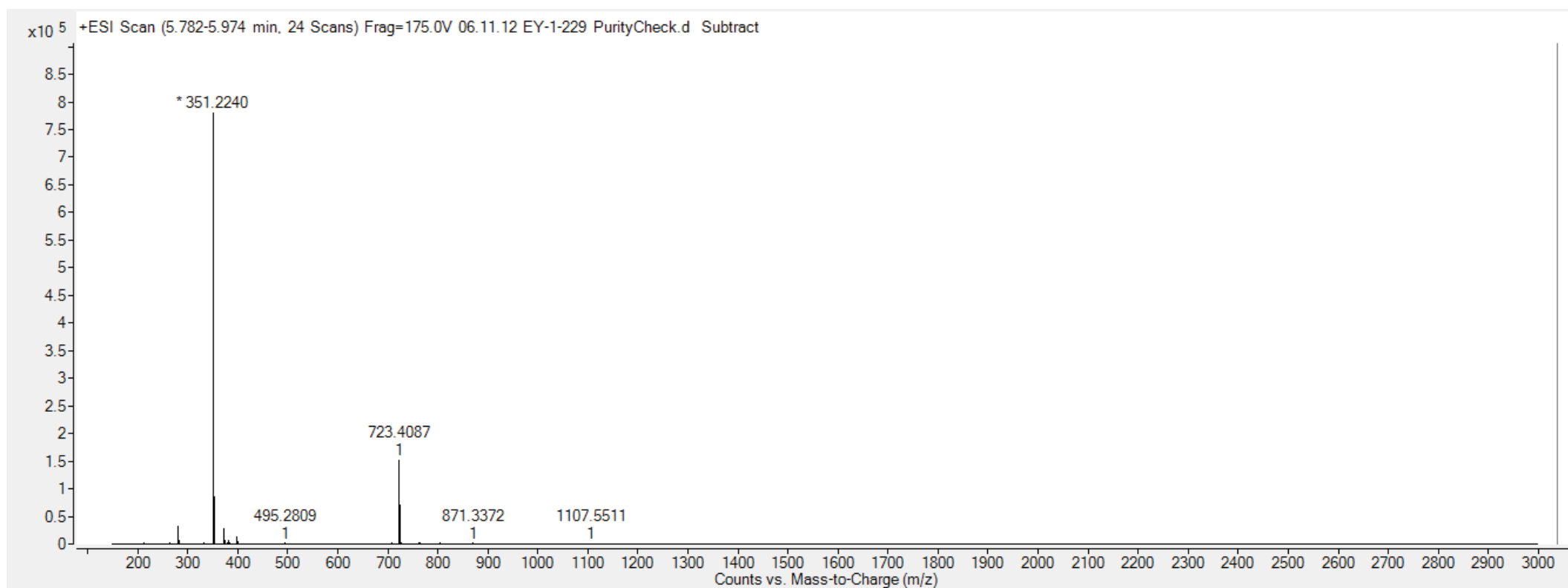
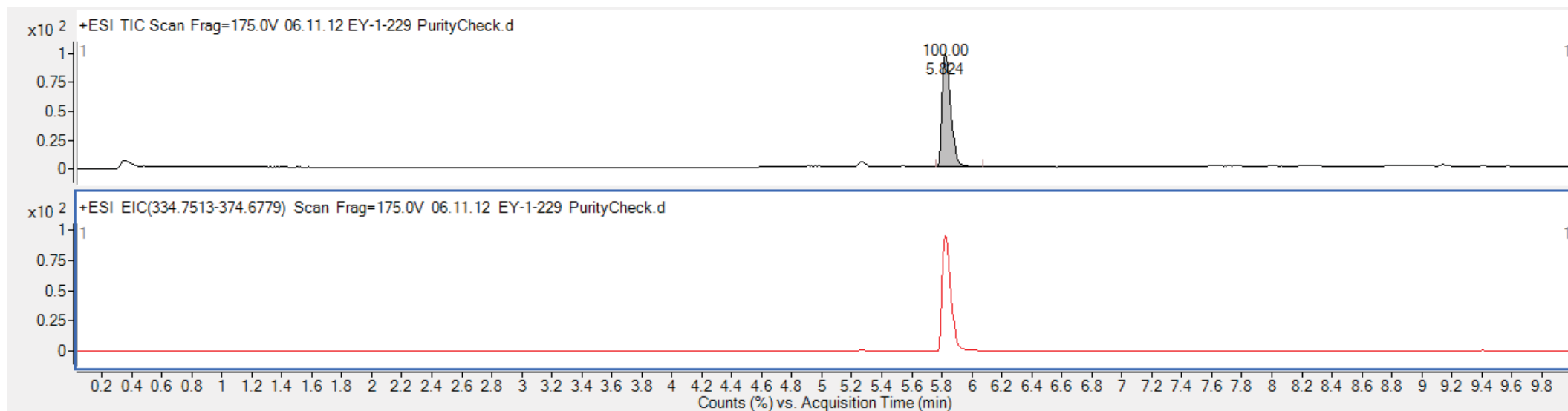


6b MS

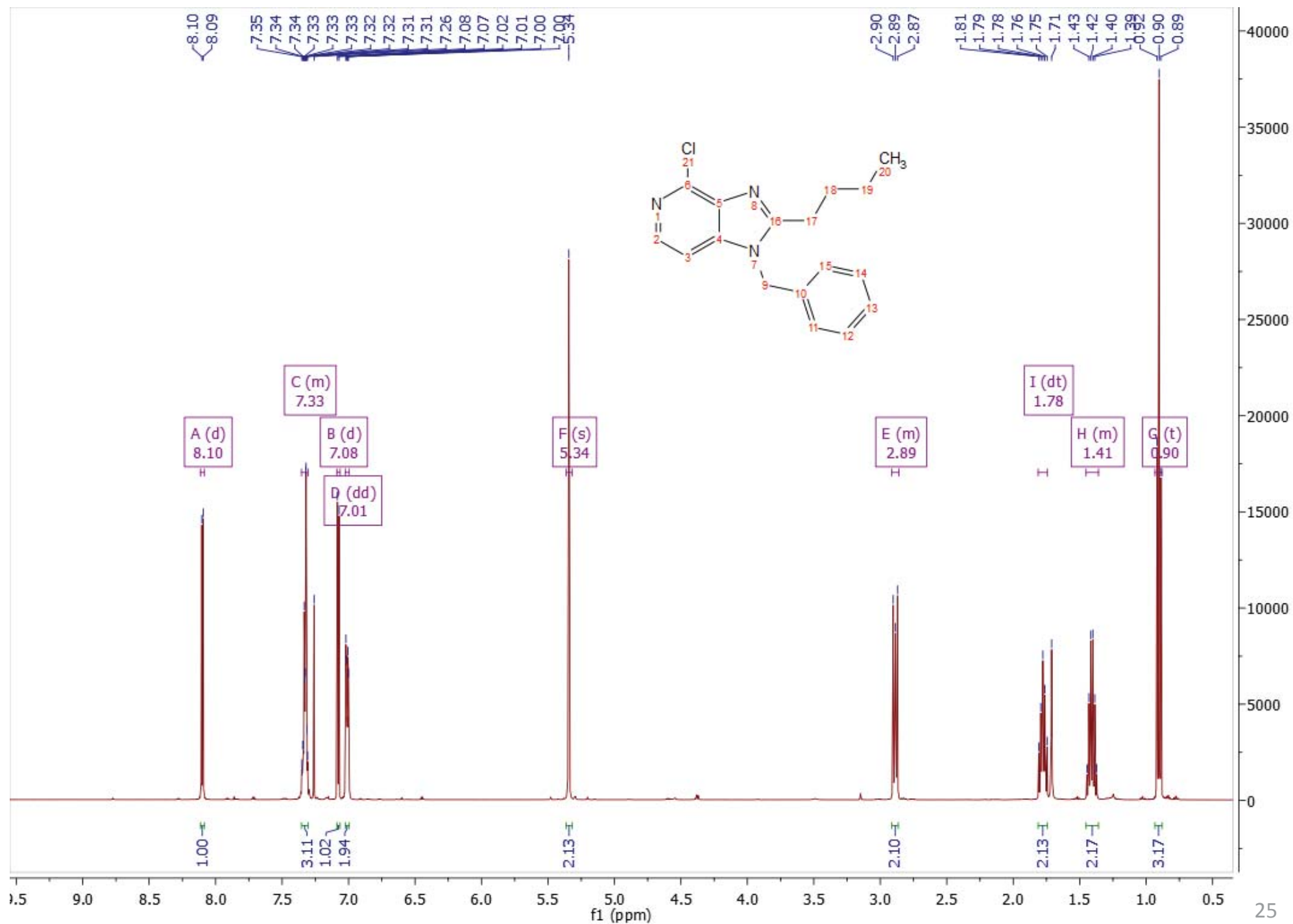
Sample Name	02.03.12 EY-1-229 tu	Position	Vial 2	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	02.03.12 EY-1-229 tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	2/3/2012 12:57:06 PM



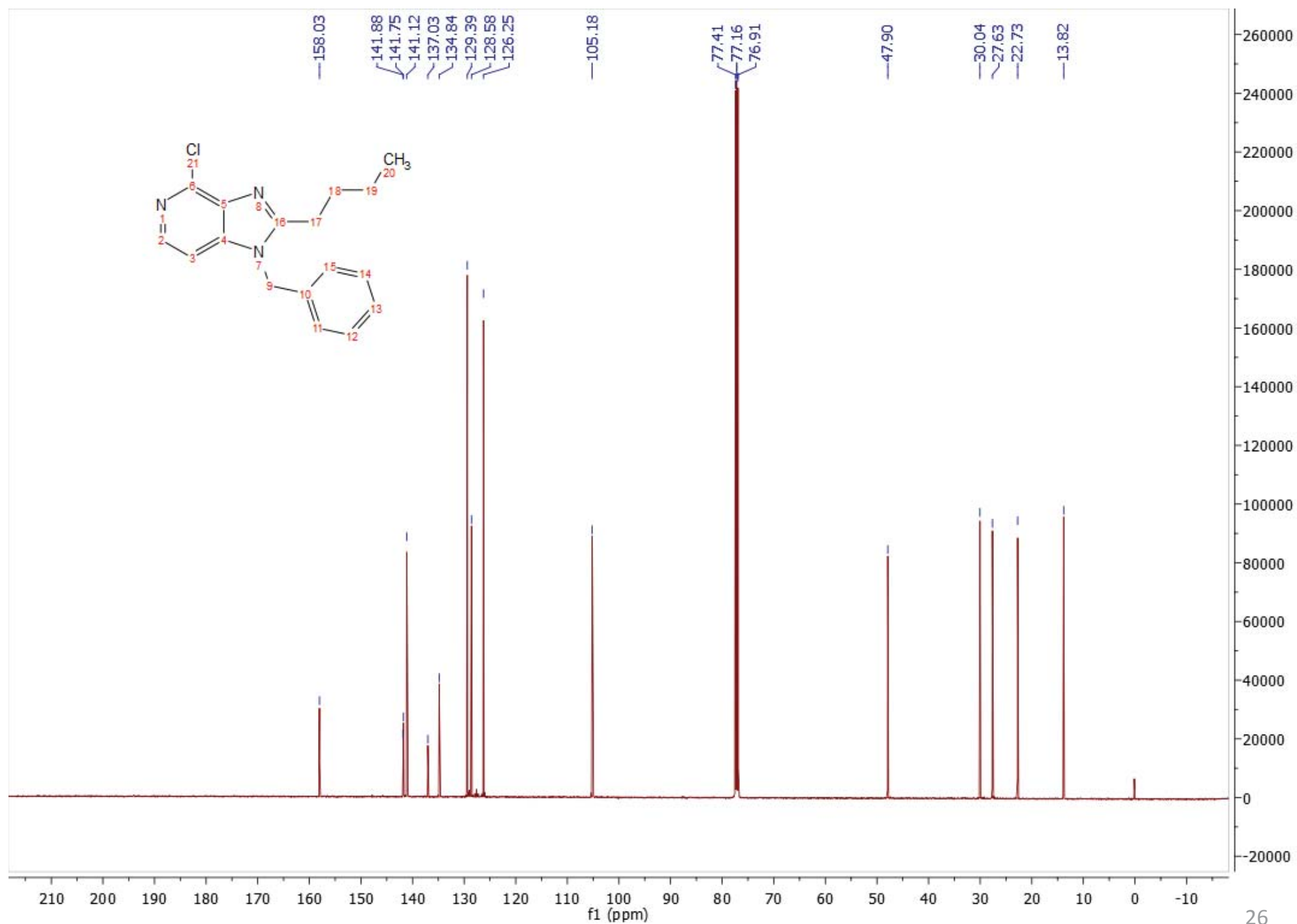
## 6b LC-MS



# 10 $^1\text{H}$ NMR

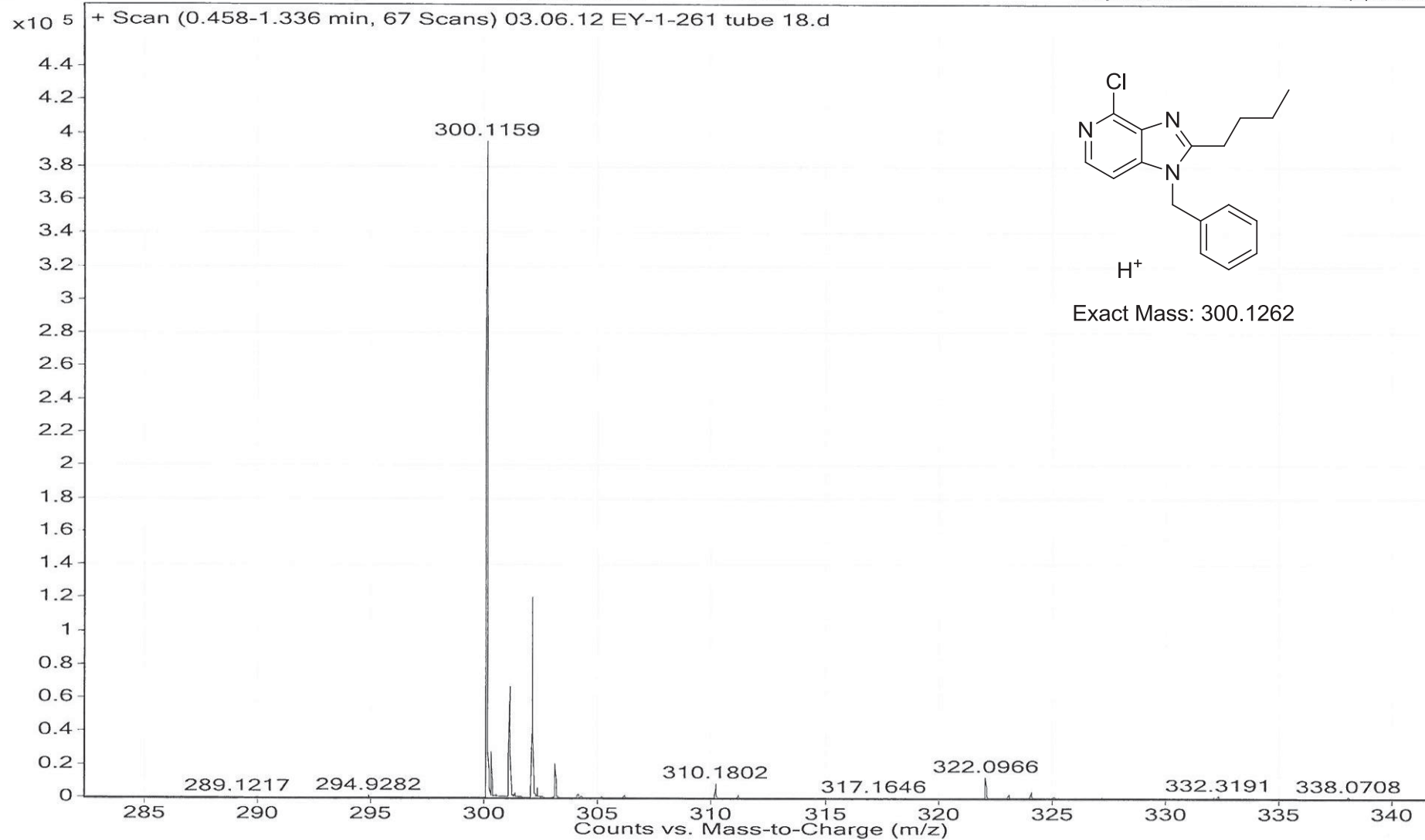


# $^{10}^{13}\text{C}$ NMR



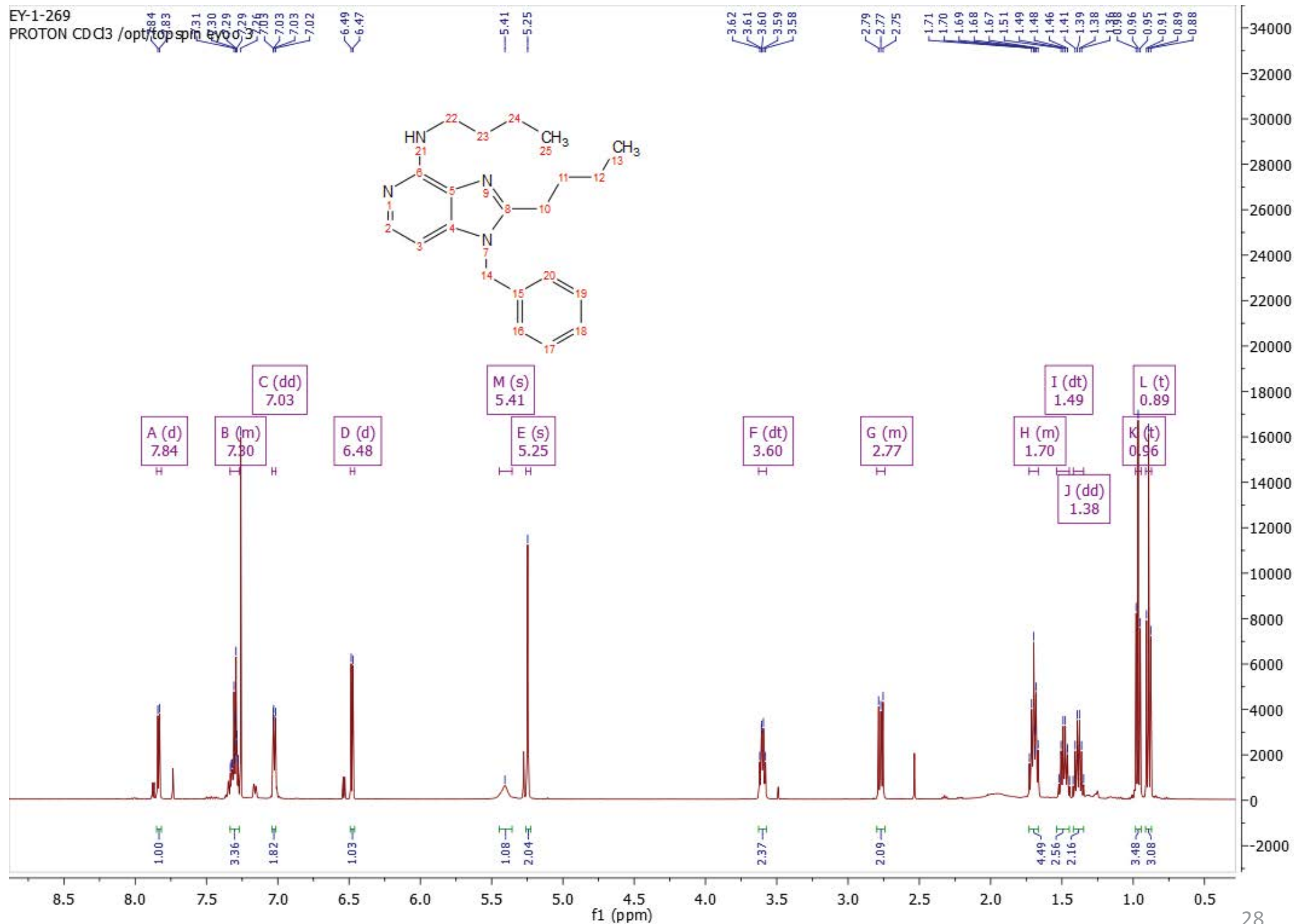
# 10 MS

<b>Sample Name</b>	03.06.12 EY-1-261 tu	<b>Position</b>	Vial 1	<b>Instrument Name</b>	Instrument 1	<b>User Name</b>	
<b>Inj Vol</b>	-1	<b>InjPosition</b>		<b>SampleType</b>	Sample	<b>IRM Calibration Status</b>	Success
<b>Data Filename</b>	03.06.12 EY-1-261 tu	<b>ACQ Method</b>	Water-ACN Infusion M	<b>Comment</b>		<b>Acquired Time</b>	3/6/2012 11:23:51 AM



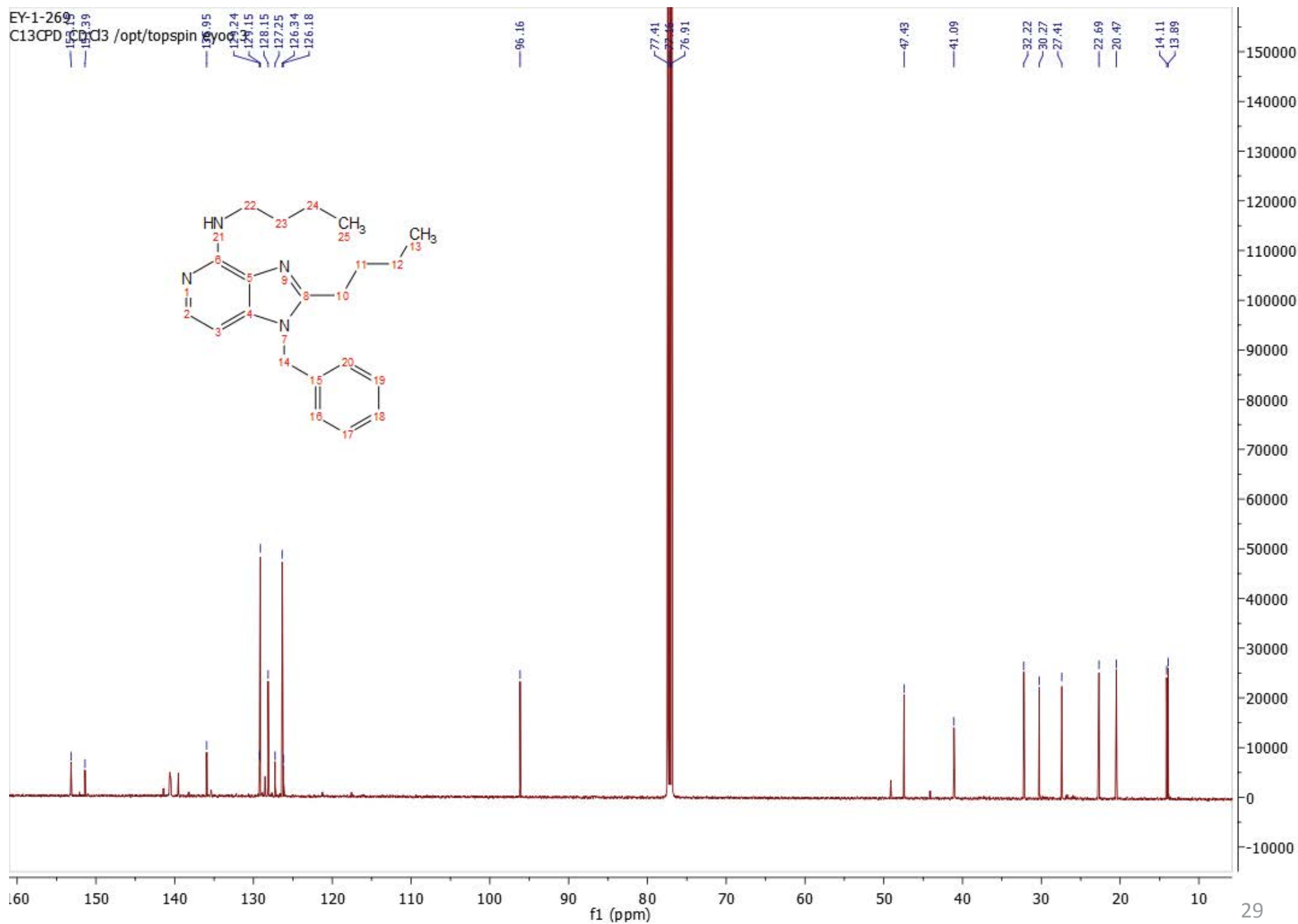


# 11a <sup>1</sup>H NMR



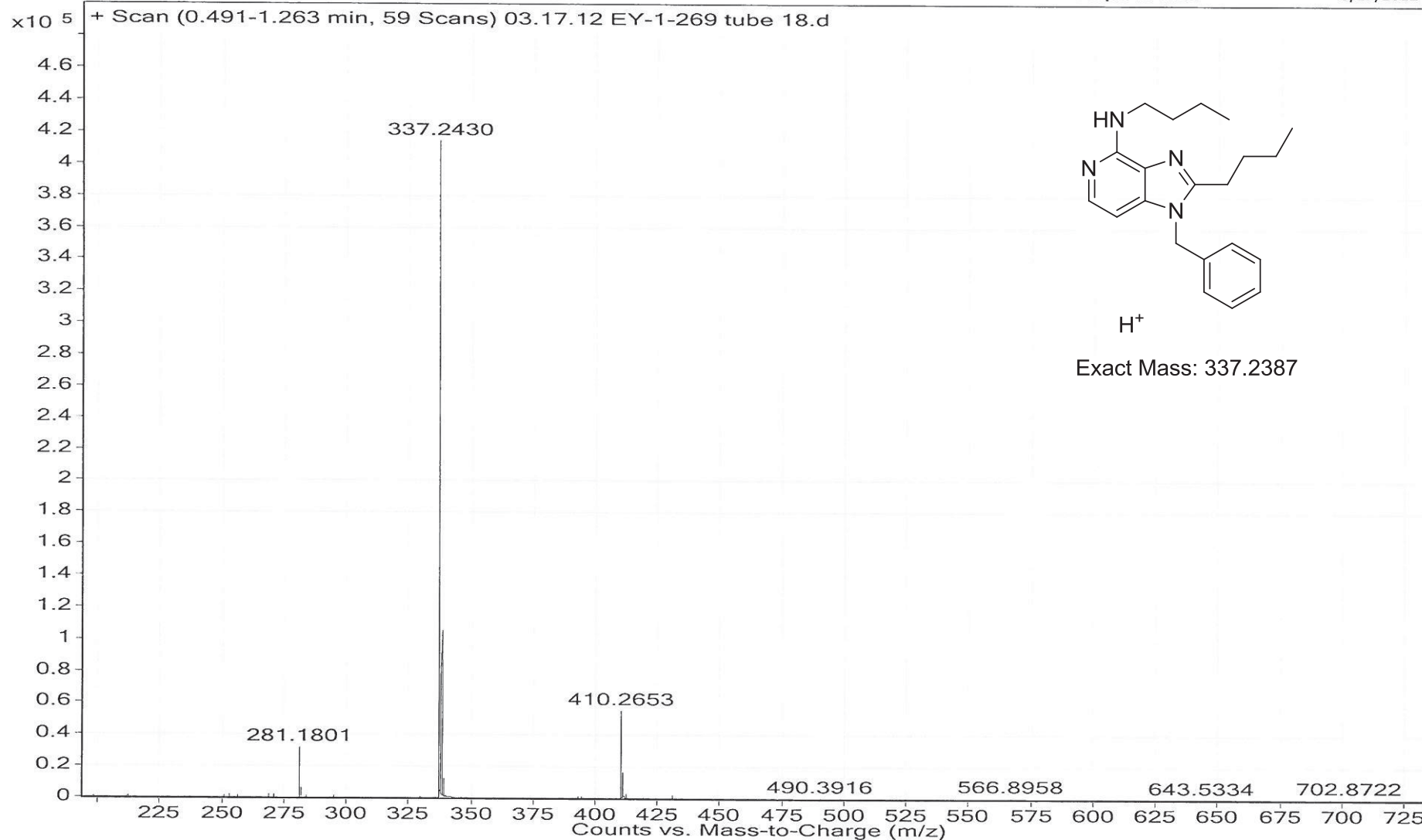


# 11a <sup>13</sup>C NMR

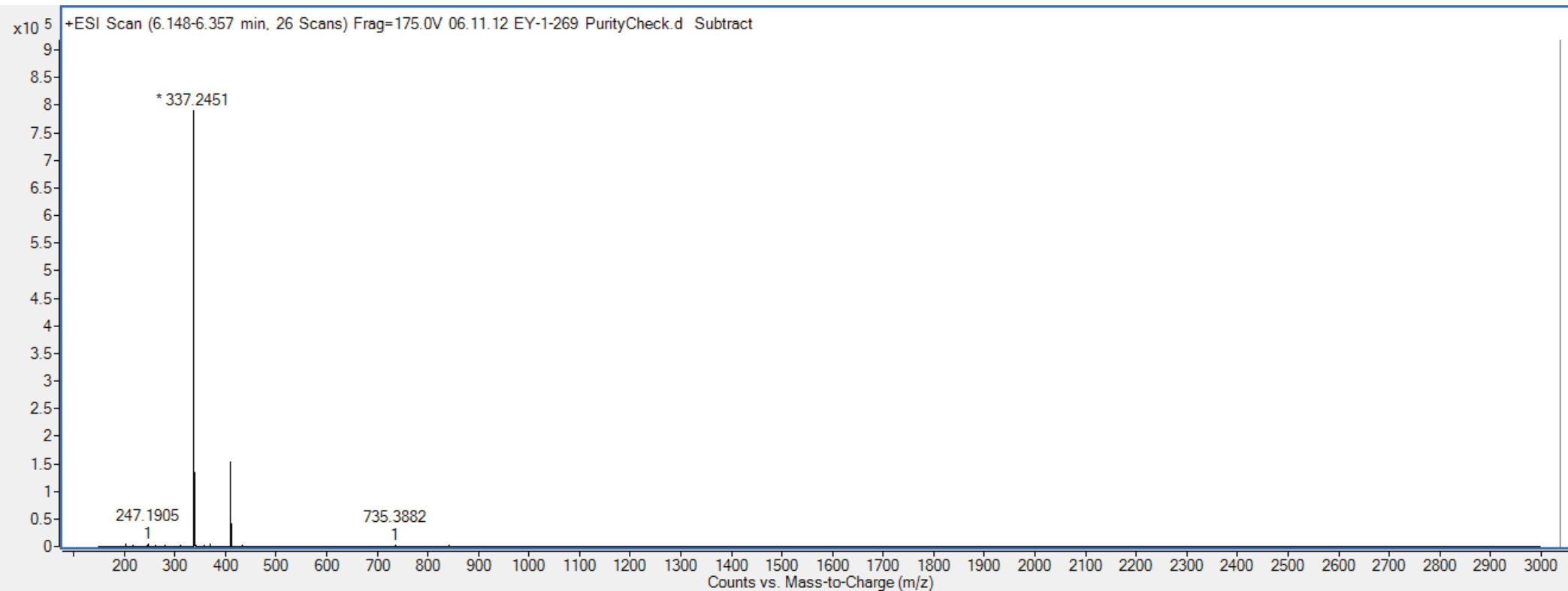
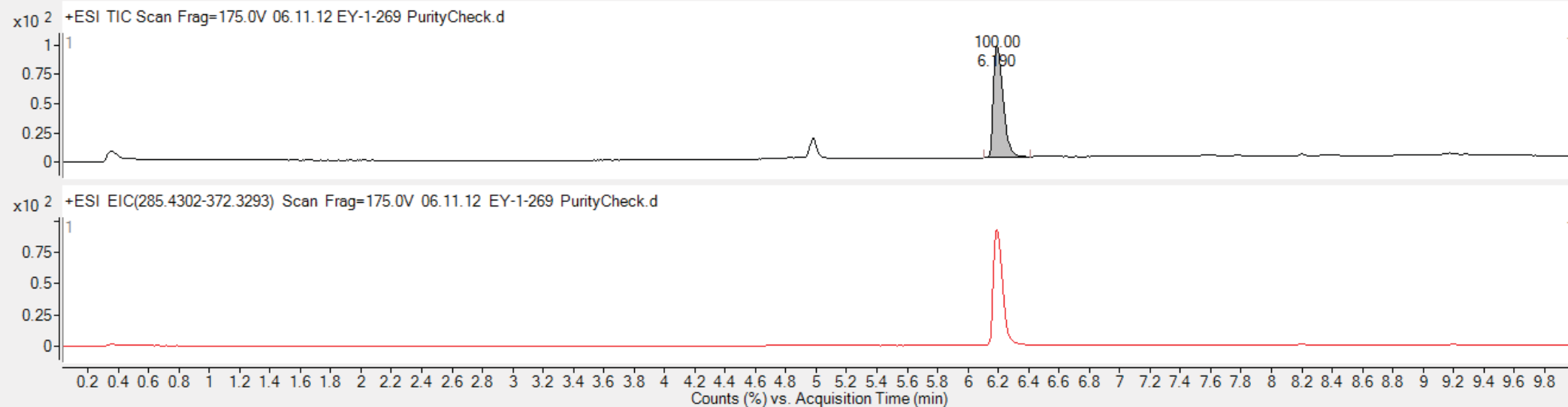


# 11a MS

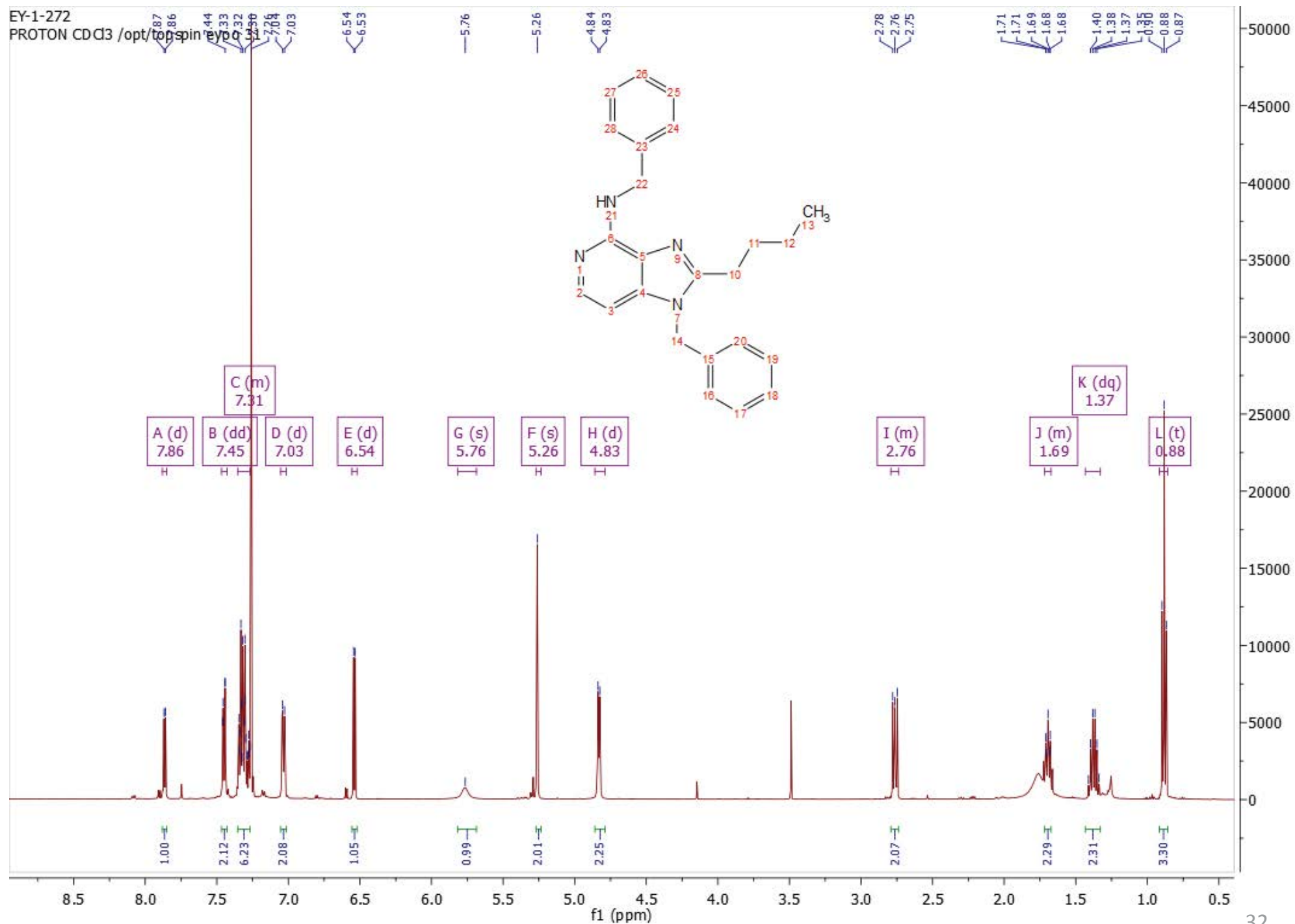
Sample Name	03.17.12 EY-1-269 tu	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	03.17.12 EY-1-269 tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	3/17/2012 4:47:15 PM



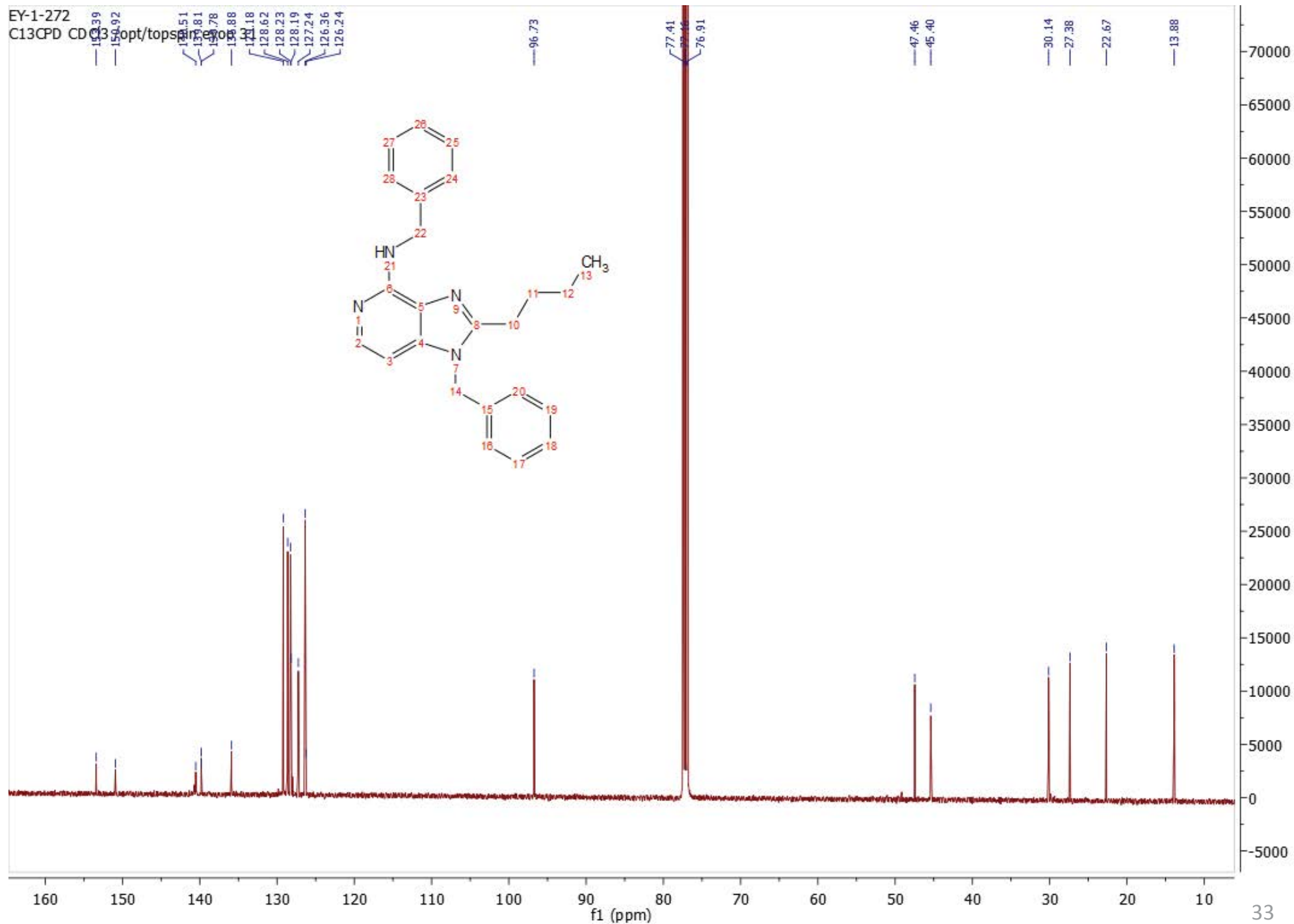
# 11a LC-MS



# 11b <sup>1</sup>H NMR

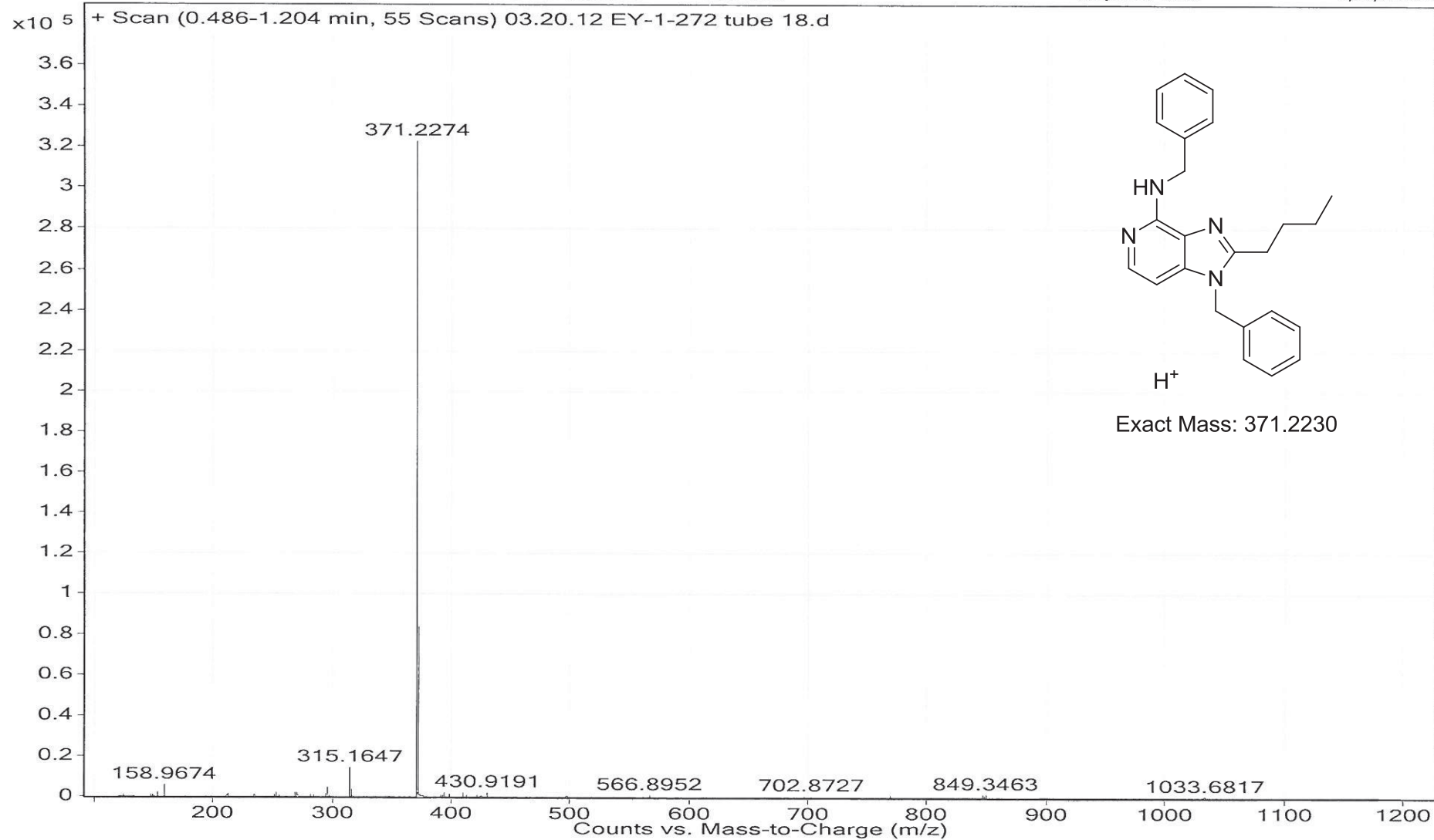


# 11b <sup>13</sup>C NMR

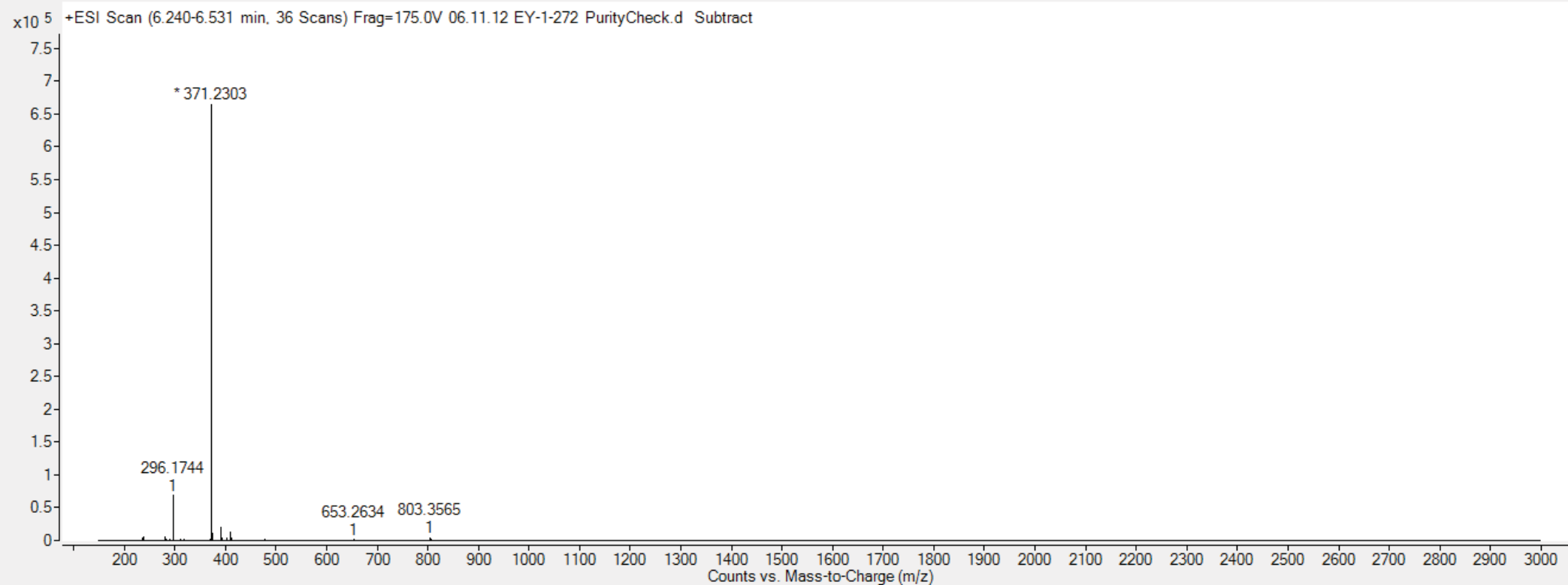
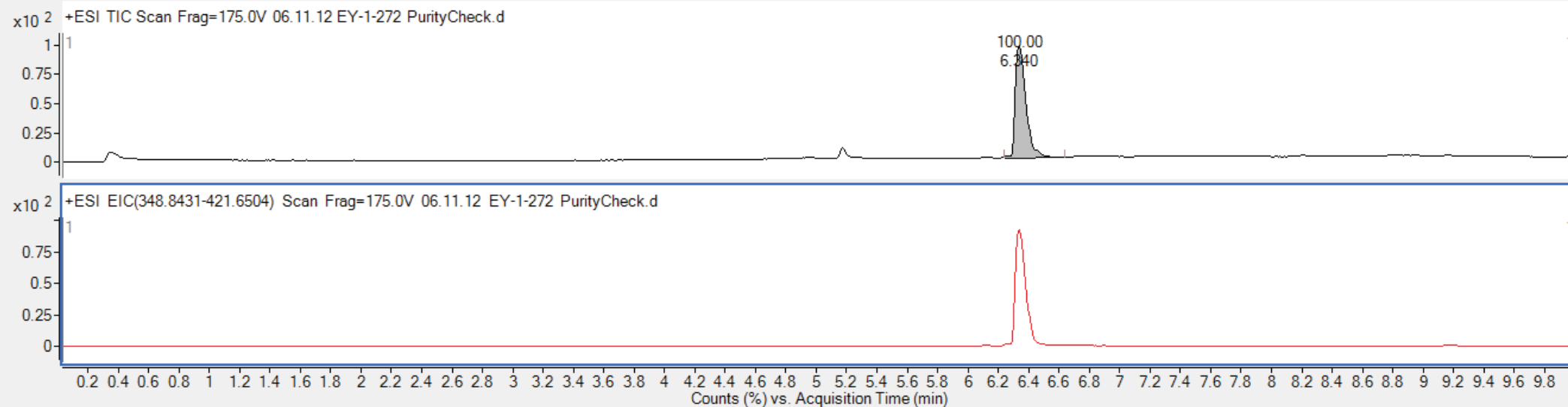


# 11b MS

Sample Name	03.20.12 EY-1-272 tu	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	03.20.12 EY-1-272 tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	3/20/2012 10:32:33 AM

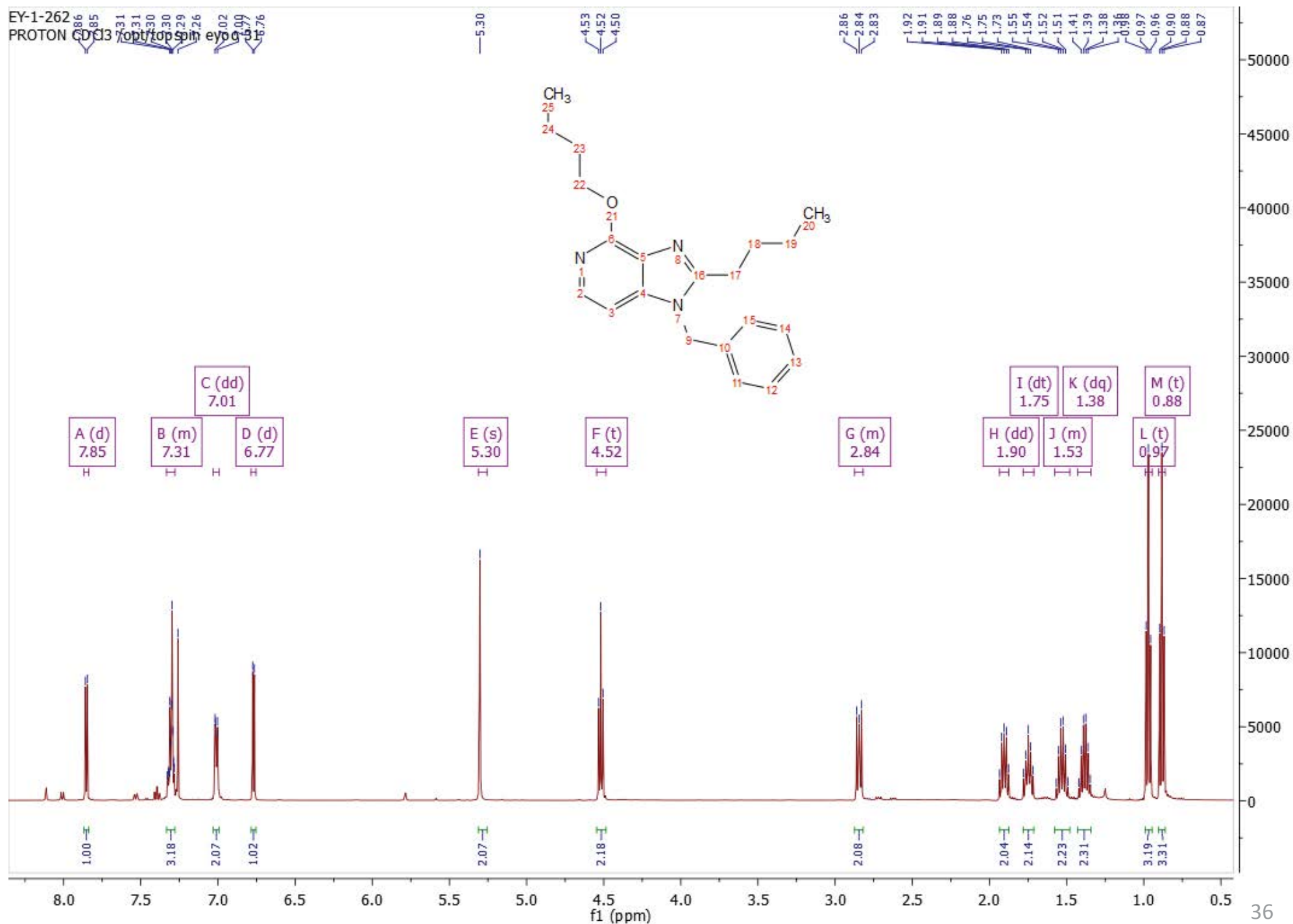


# 11b LC-MS



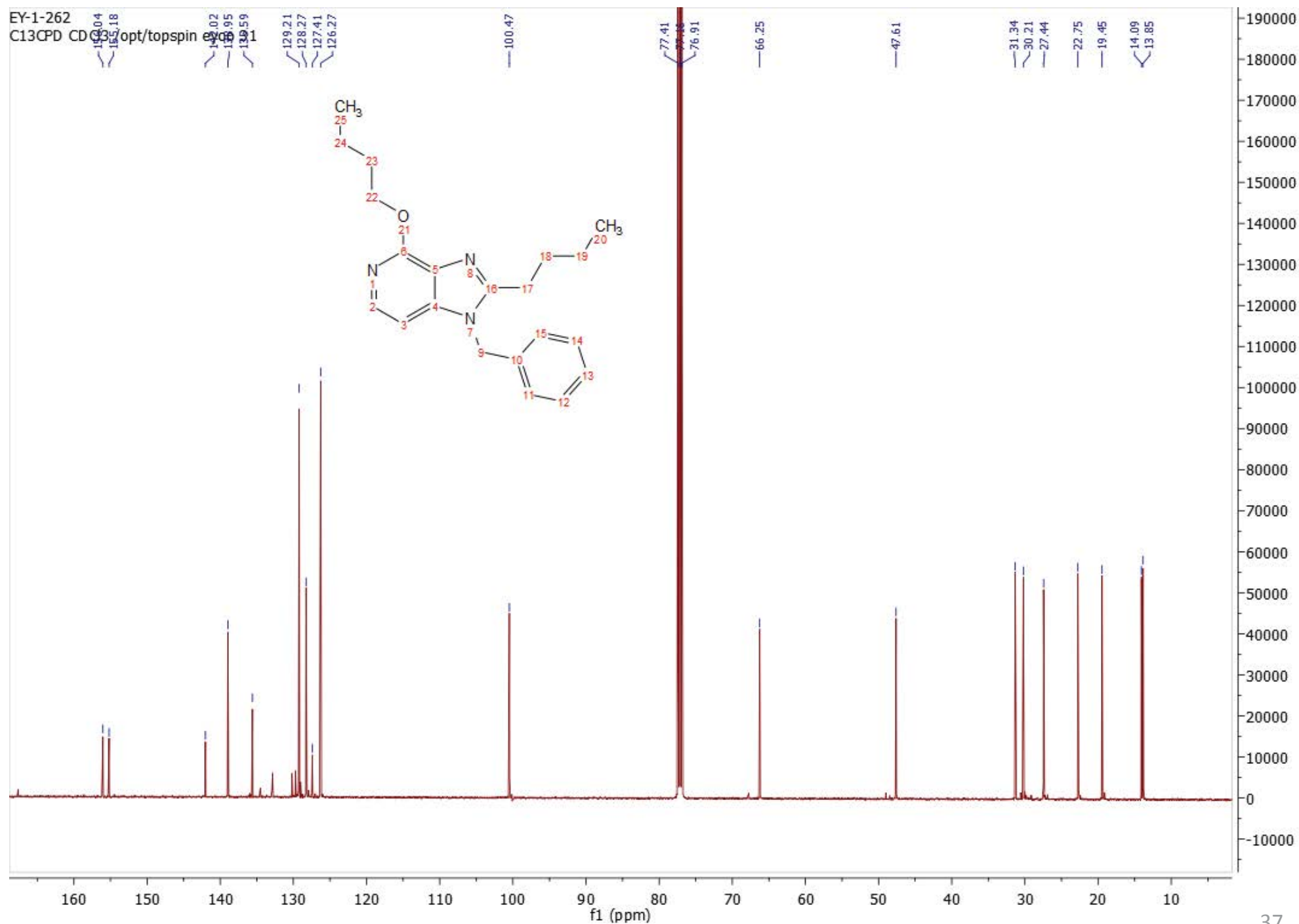


# 11c <sup>1</sup>H NMR



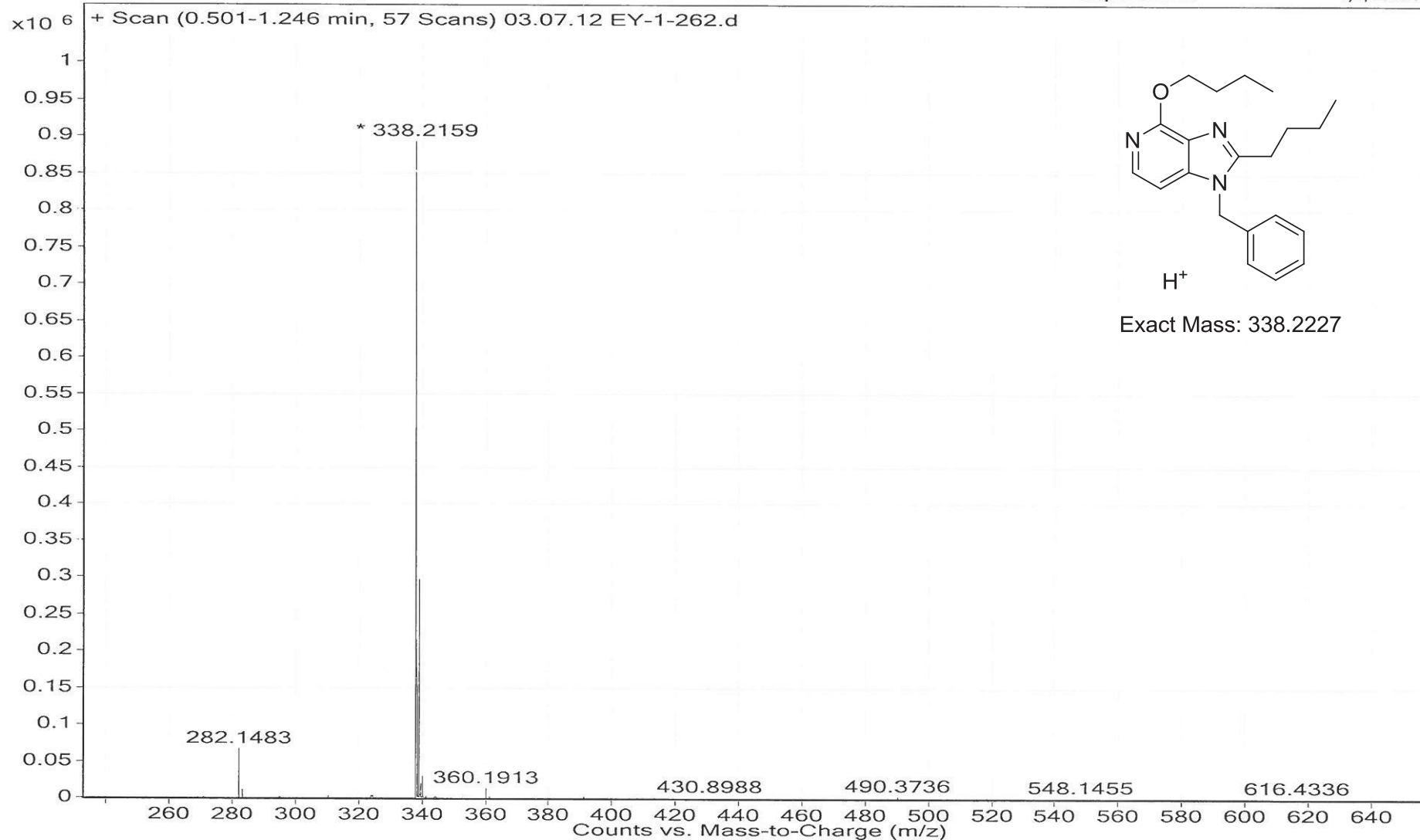


# 11c <sup>13</sup>C NMR

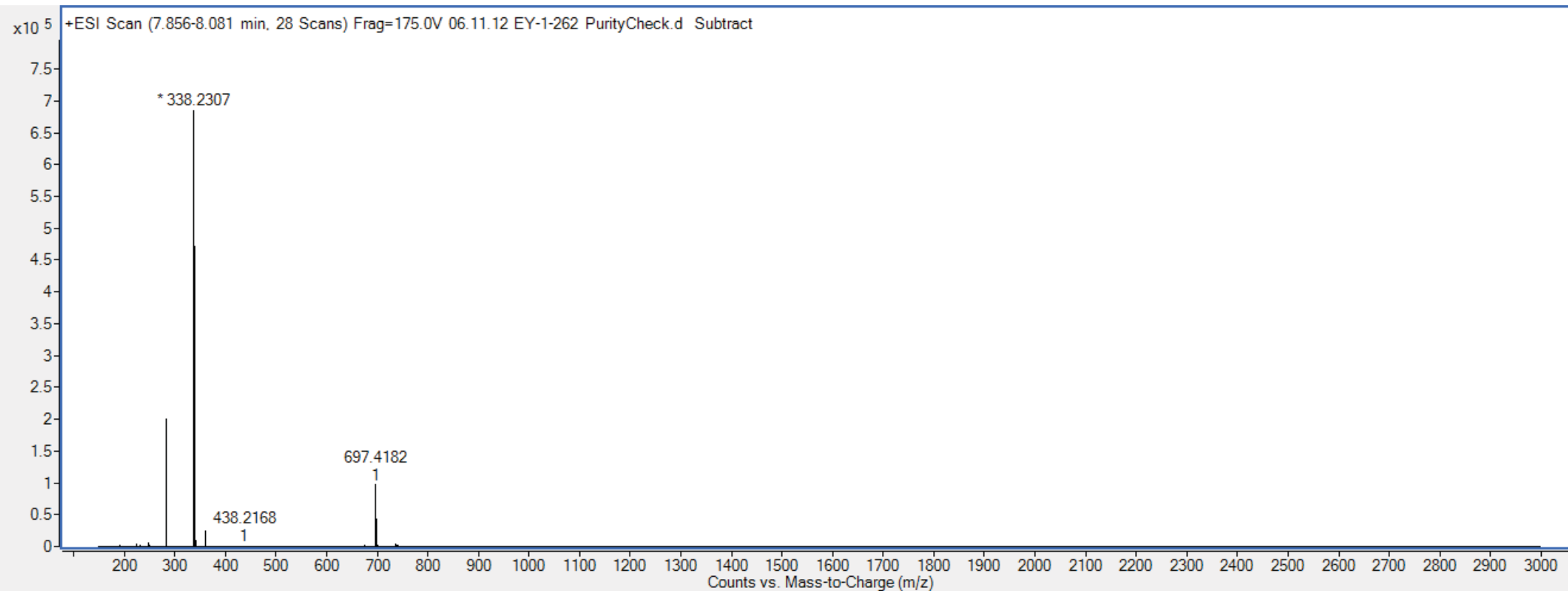
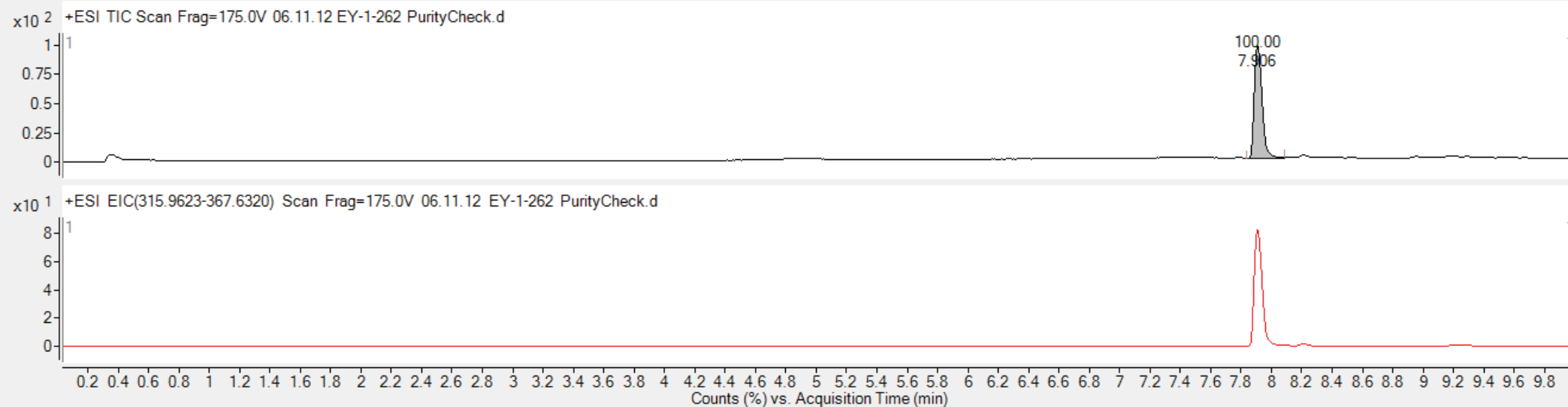


# 11c MS

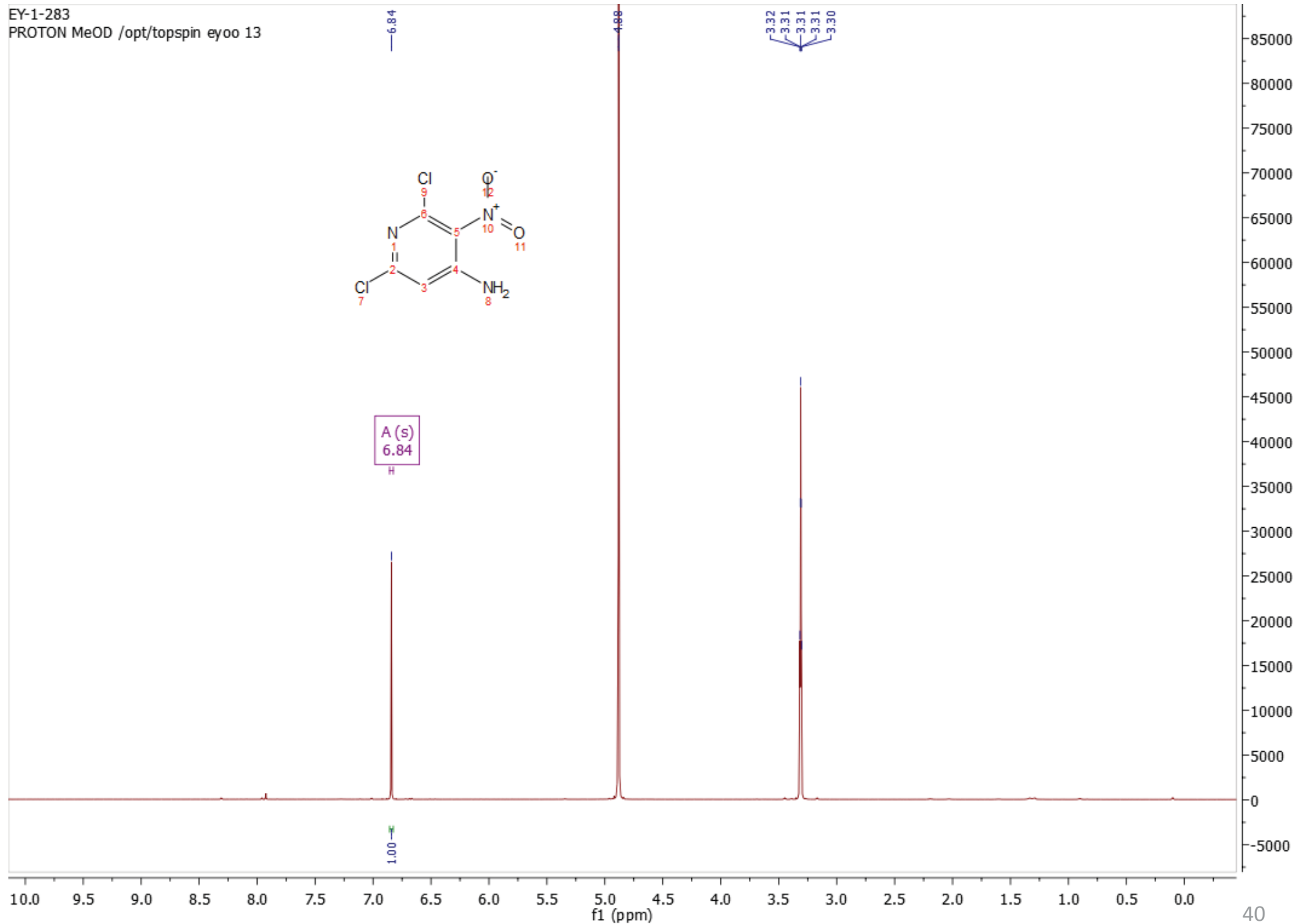
Sample Name	03.07.12 EY-1-262	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	8	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	03.07.12 EY-1-262.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	3/7/2012 9:08:44 AM



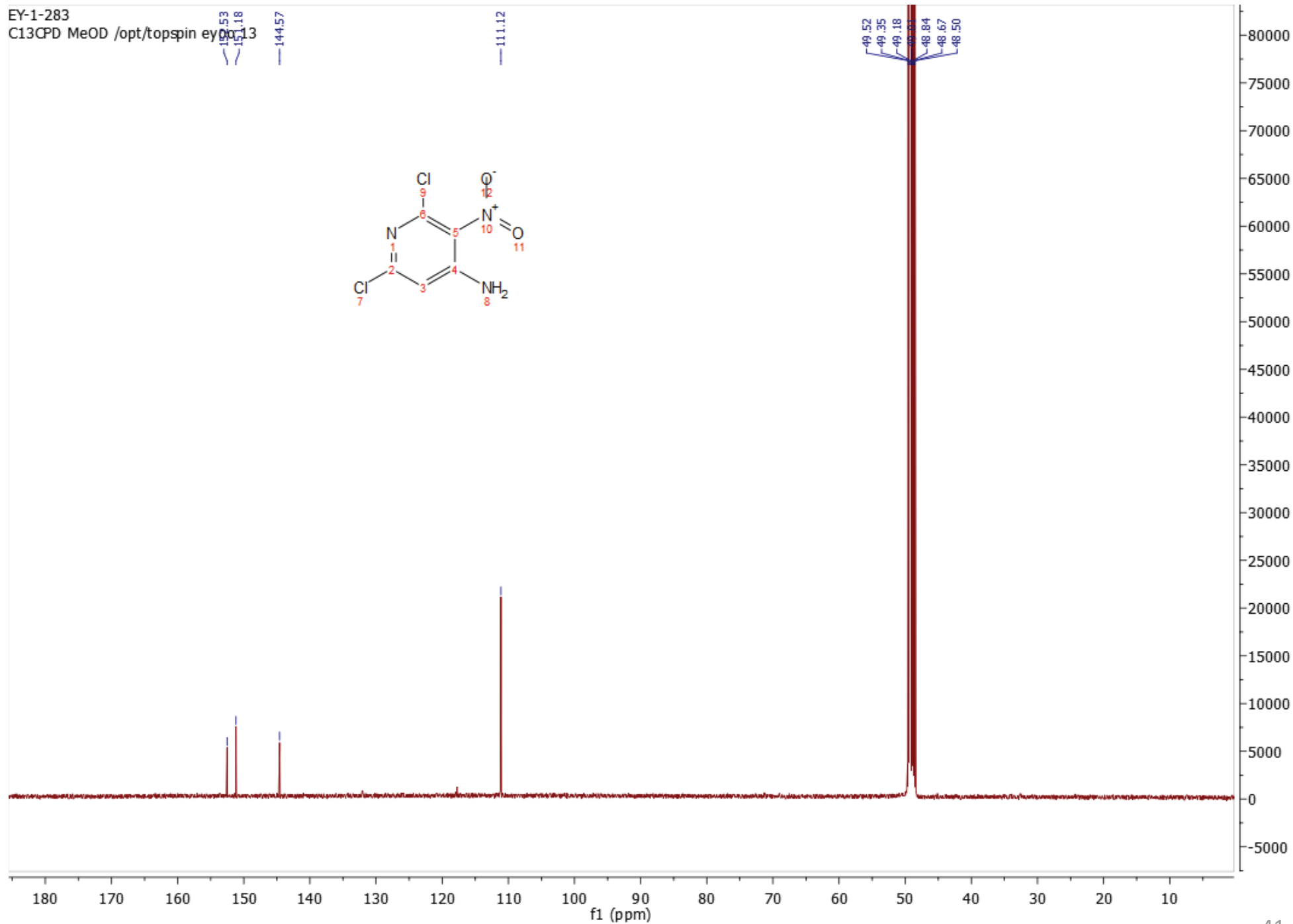
# 11c LC-MS



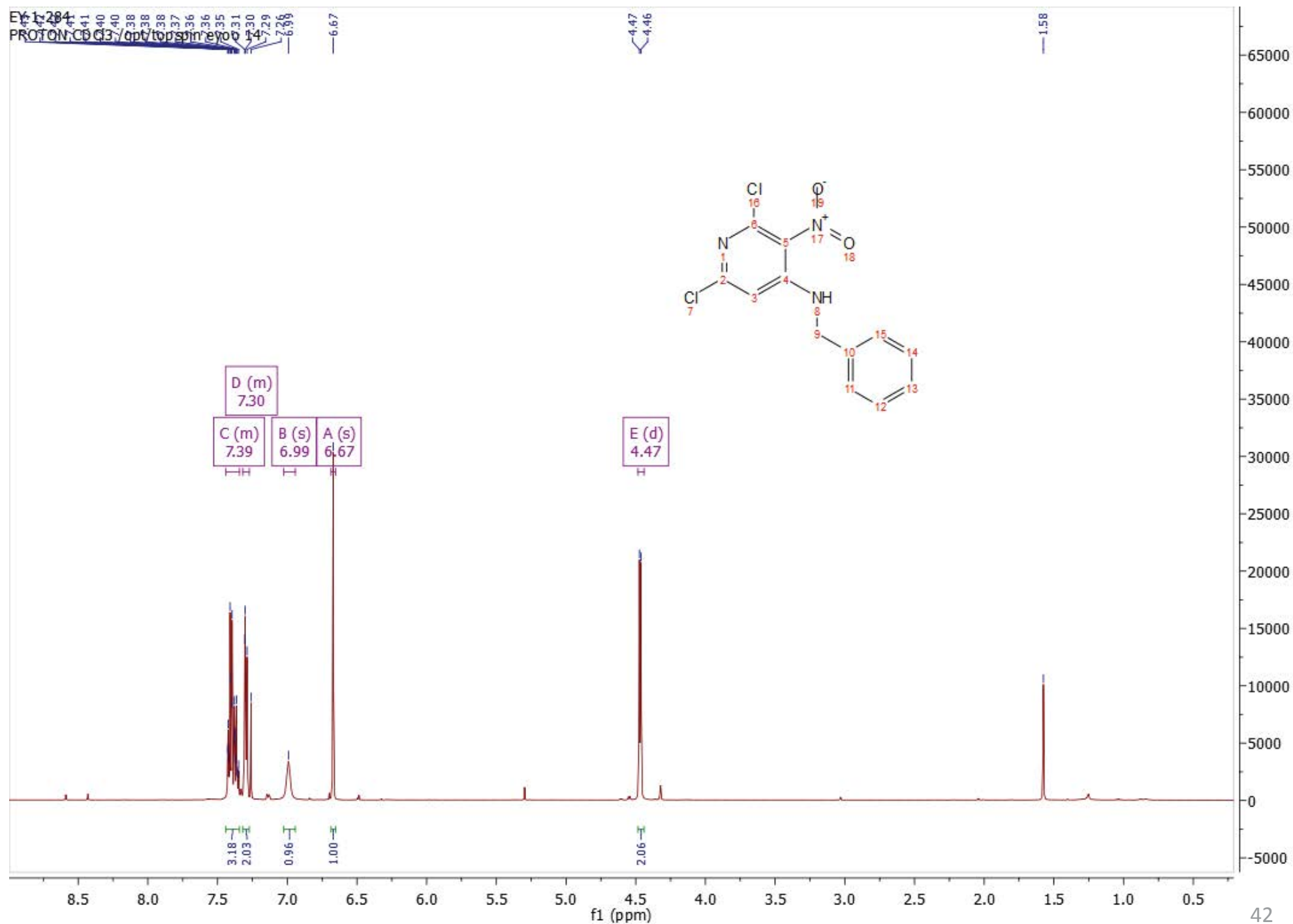
# 12 <sup>1</sup>H NMR



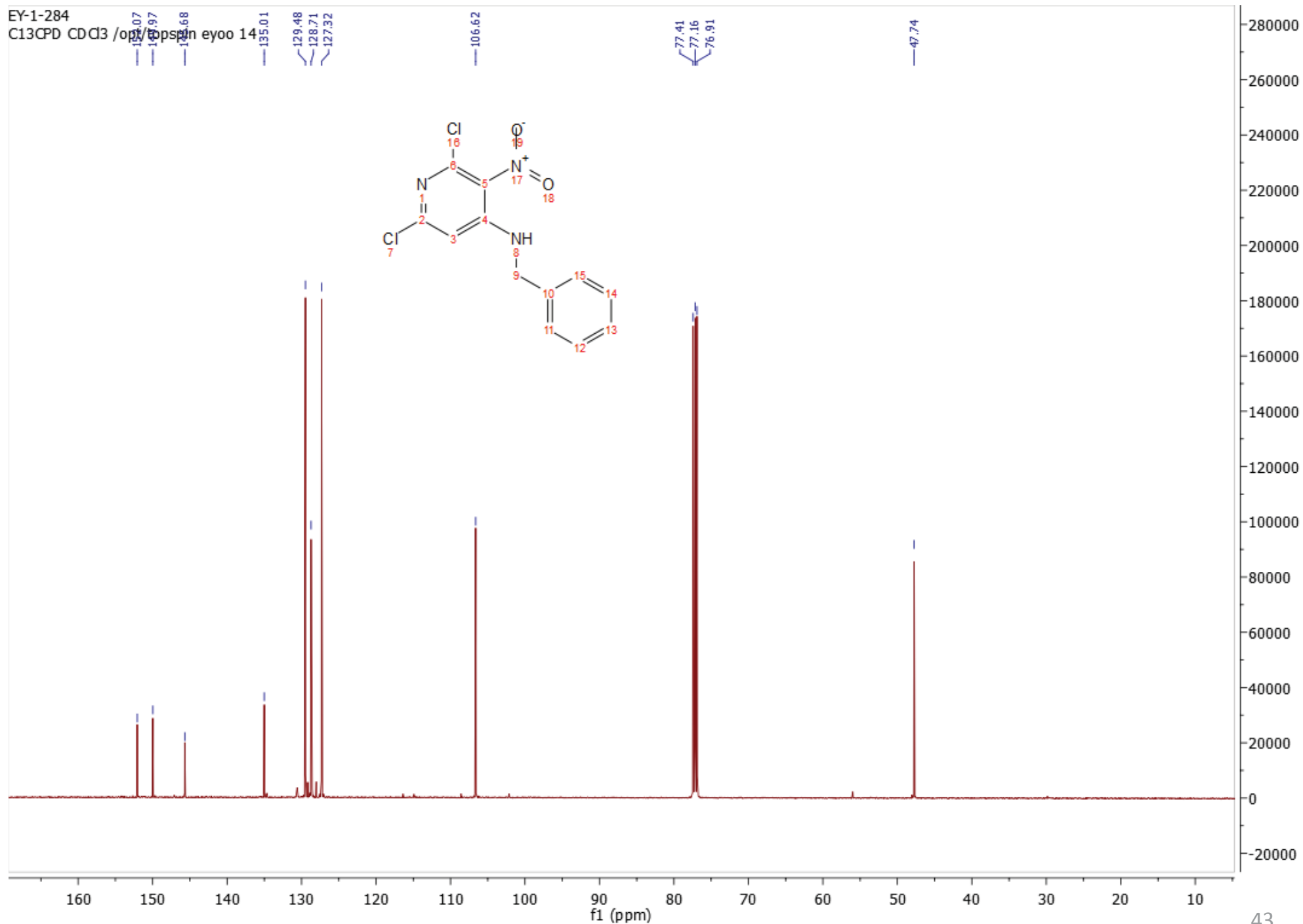
# <sup>12</sup><sup>13</sup>C NMR



# 13 <sup>1</sup>H NMR

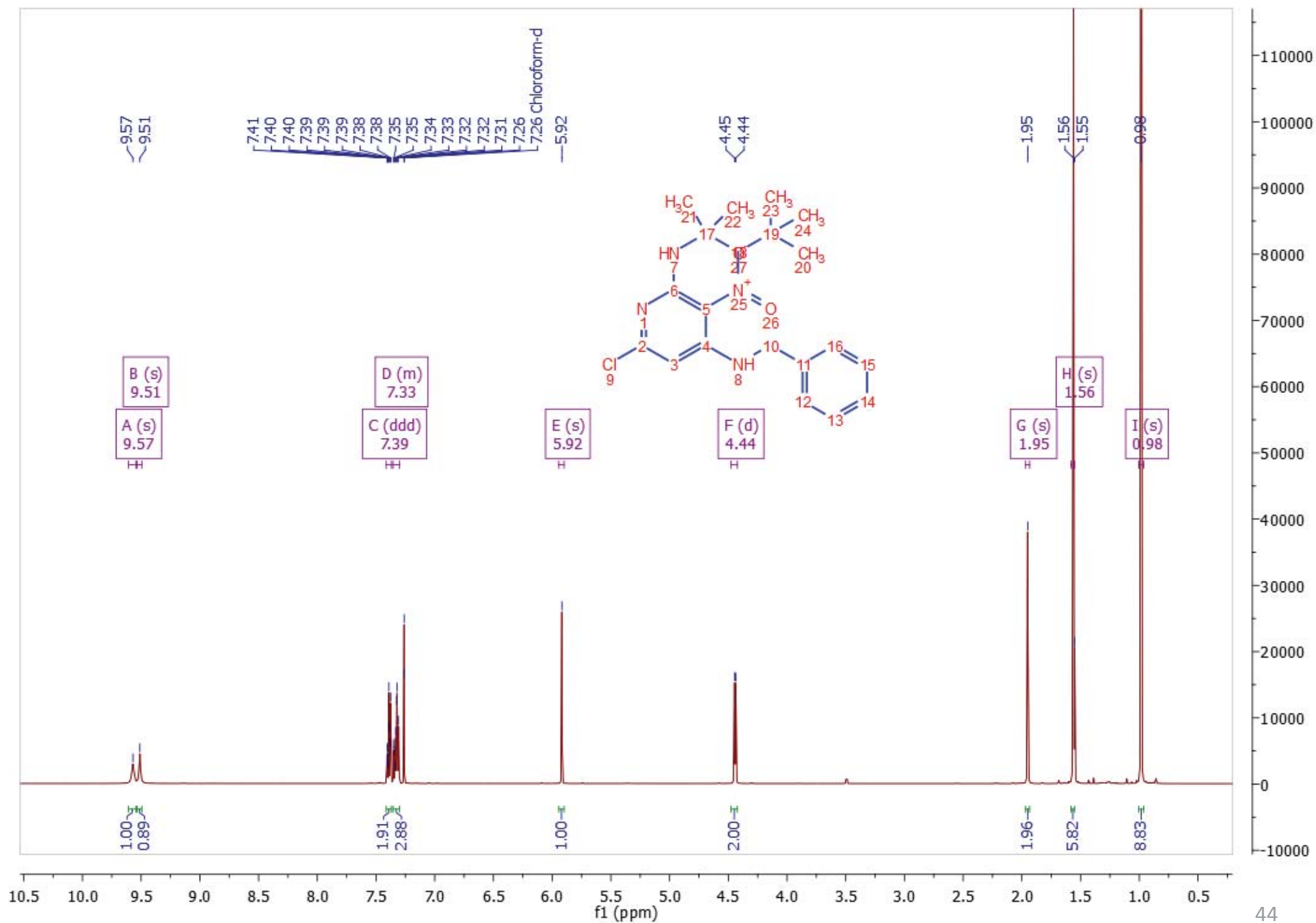


# <sup>13</sup>C NMR

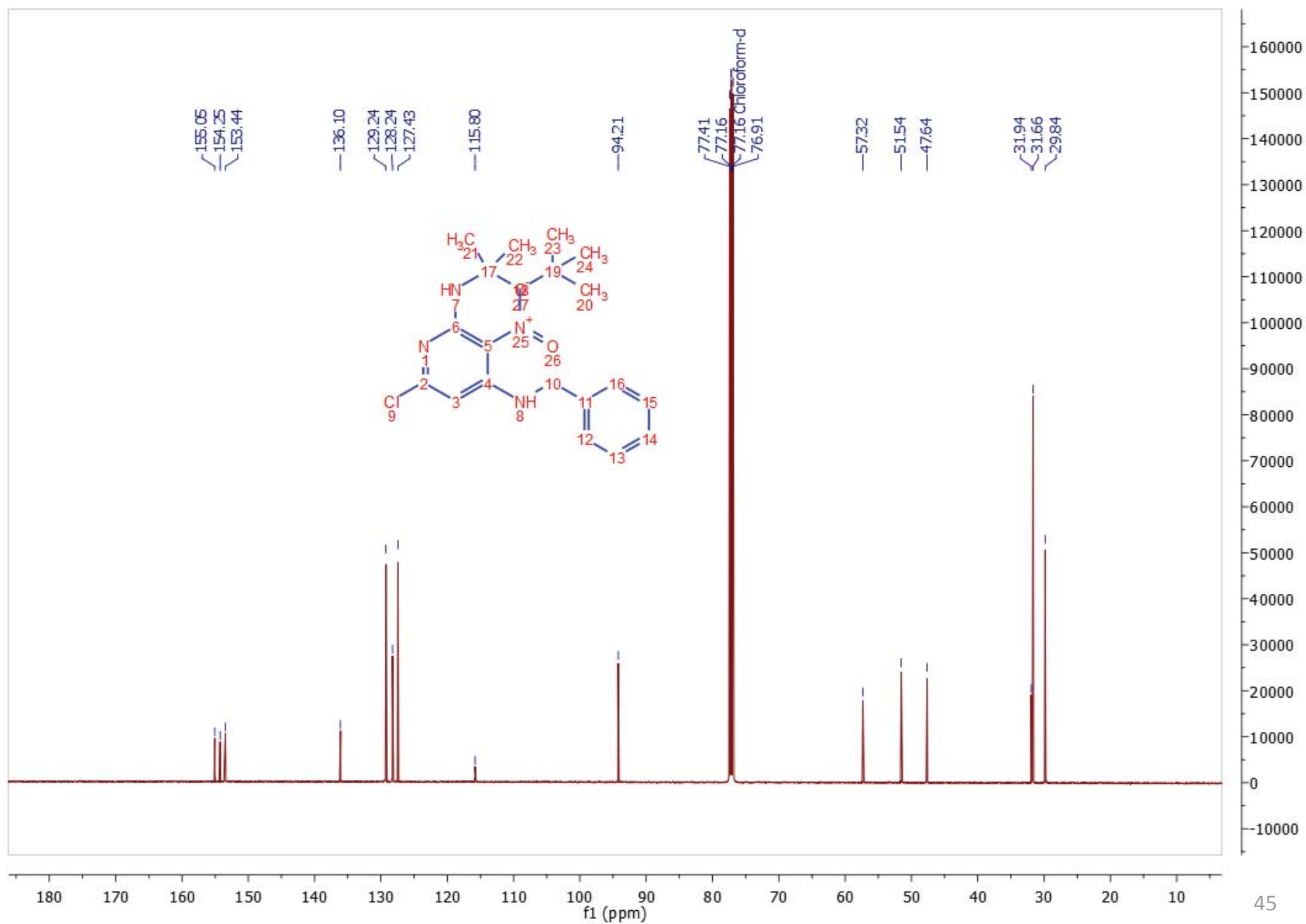




# 14 <sup>1</sup>H NMR

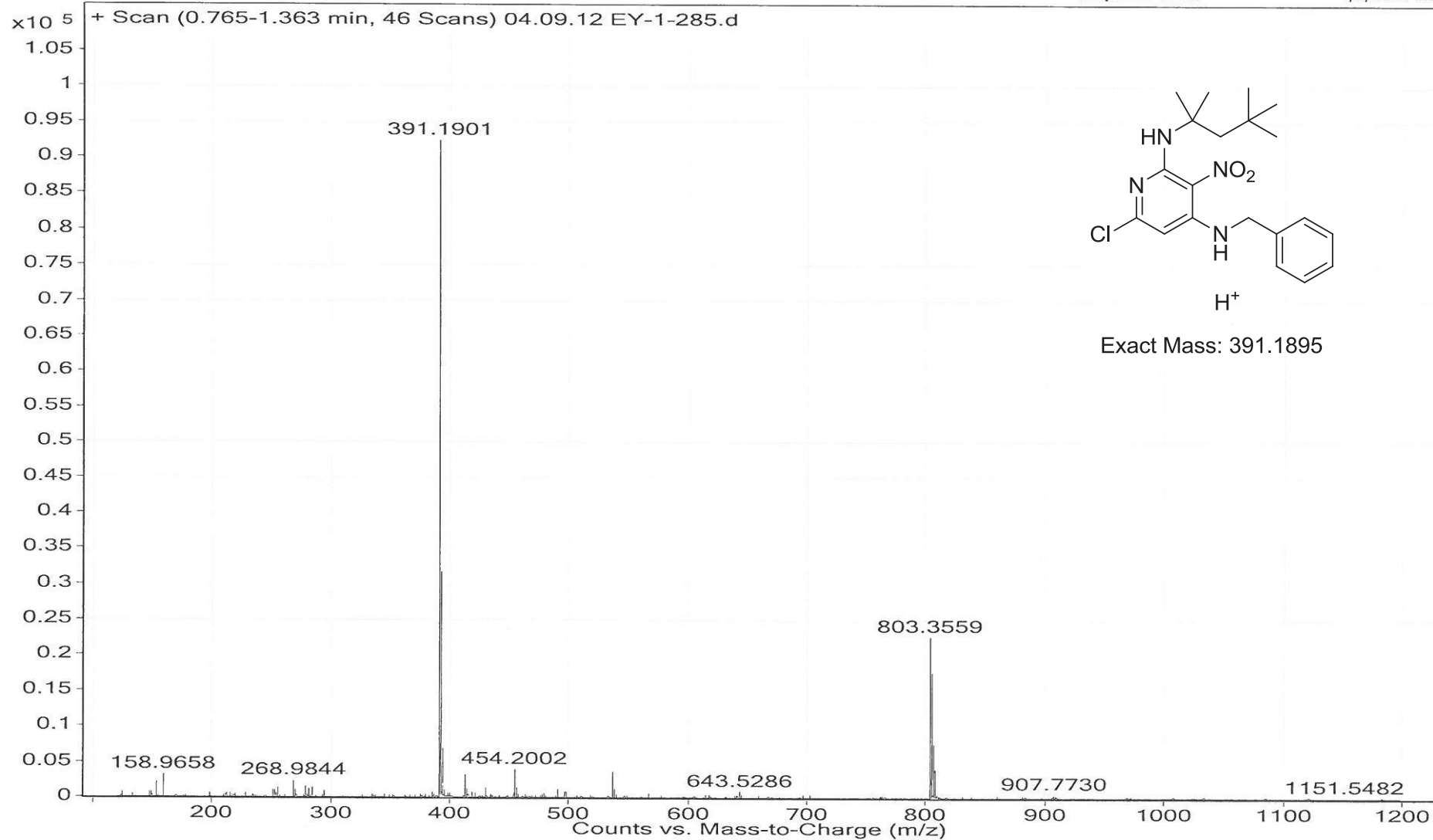


# <sup>14</sup> <sup>13</sup>C NMR



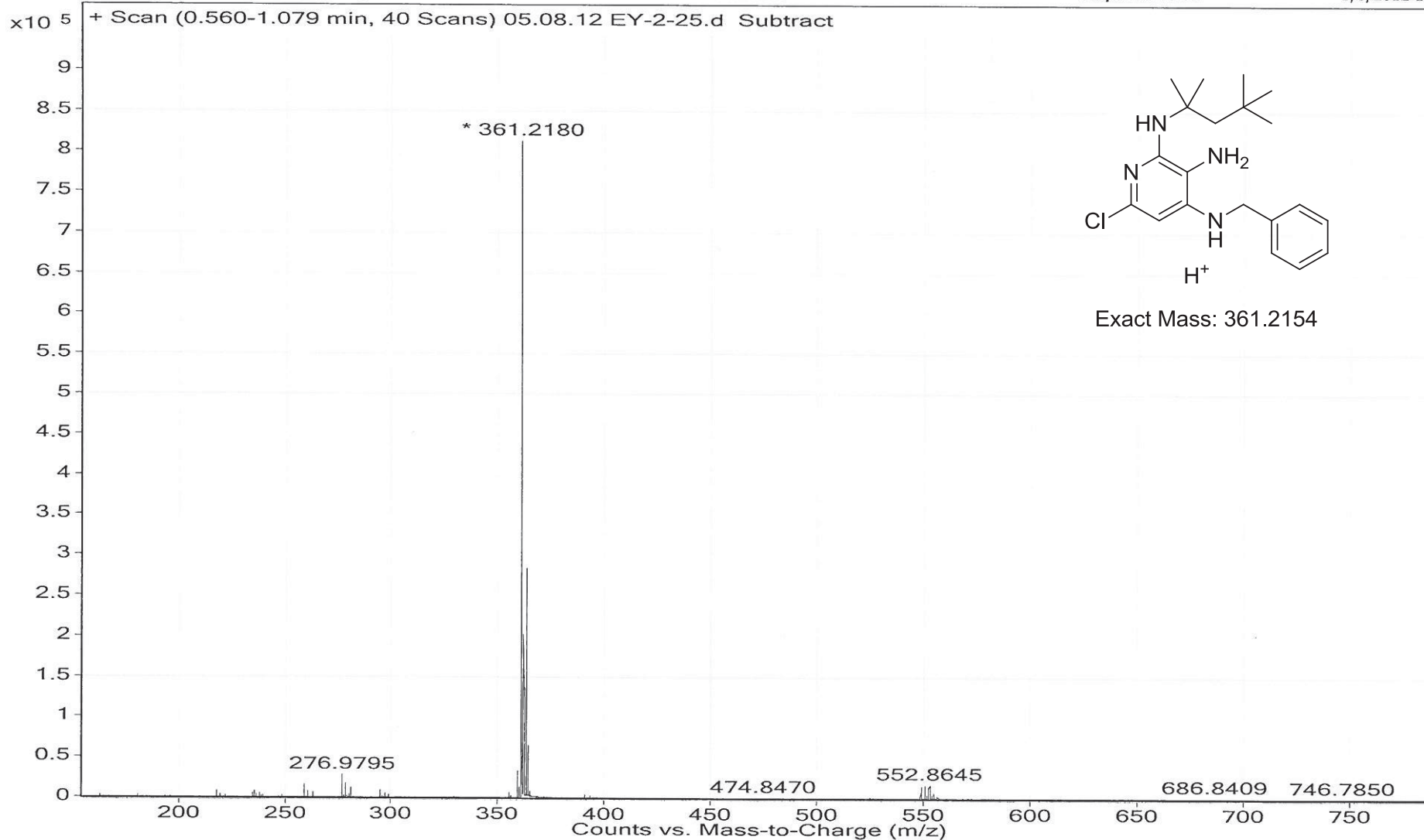
# 14 MS

Sample Name	04.09.12 EY-1-285	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.09.12 EY-1-285.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/9/2012 1:13:16 PM

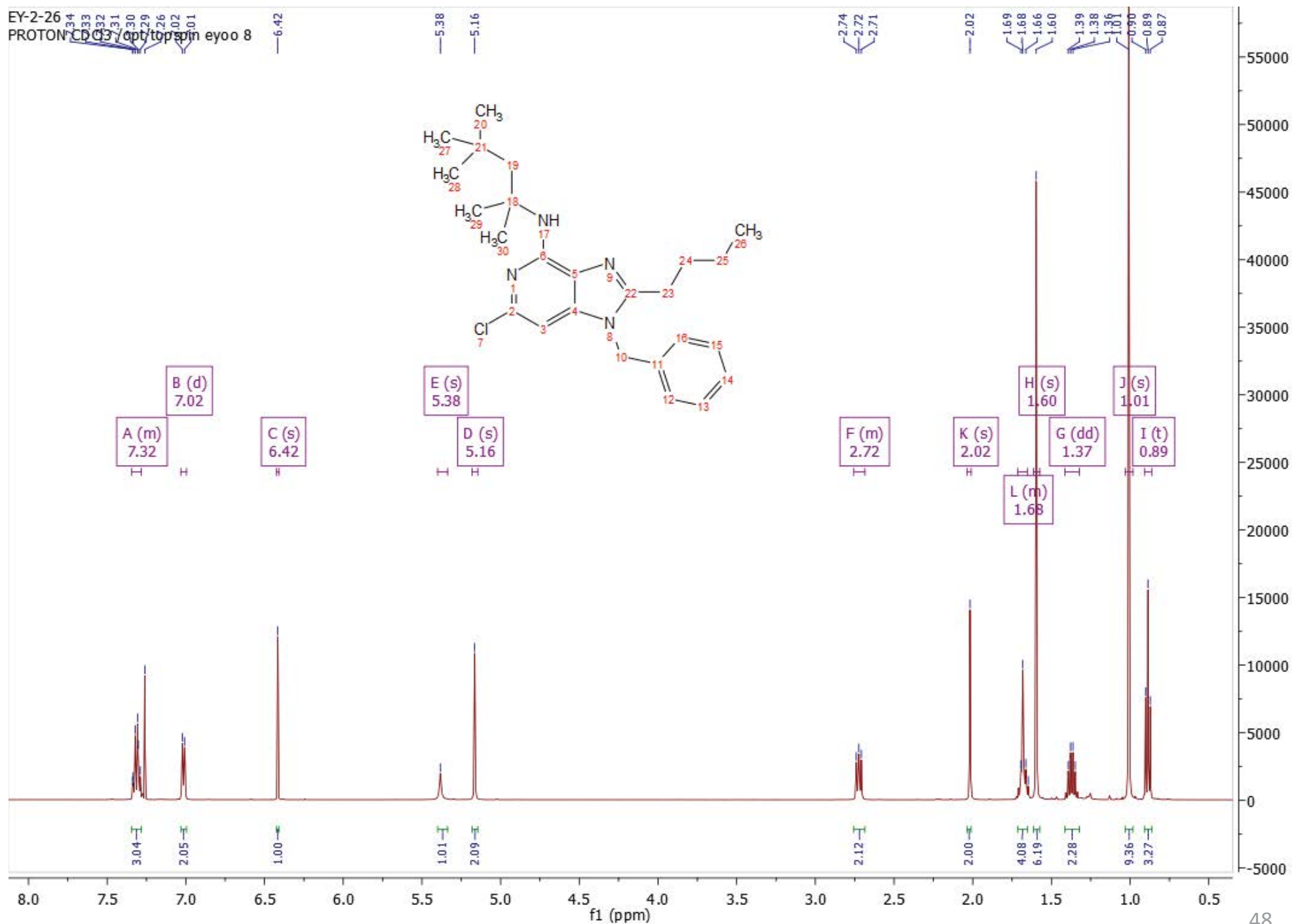


# 15 MS

Sample Name	05.08.12 EY-2-25	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.08.12 EY-2-25.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/8/2012 10:20:41 AM



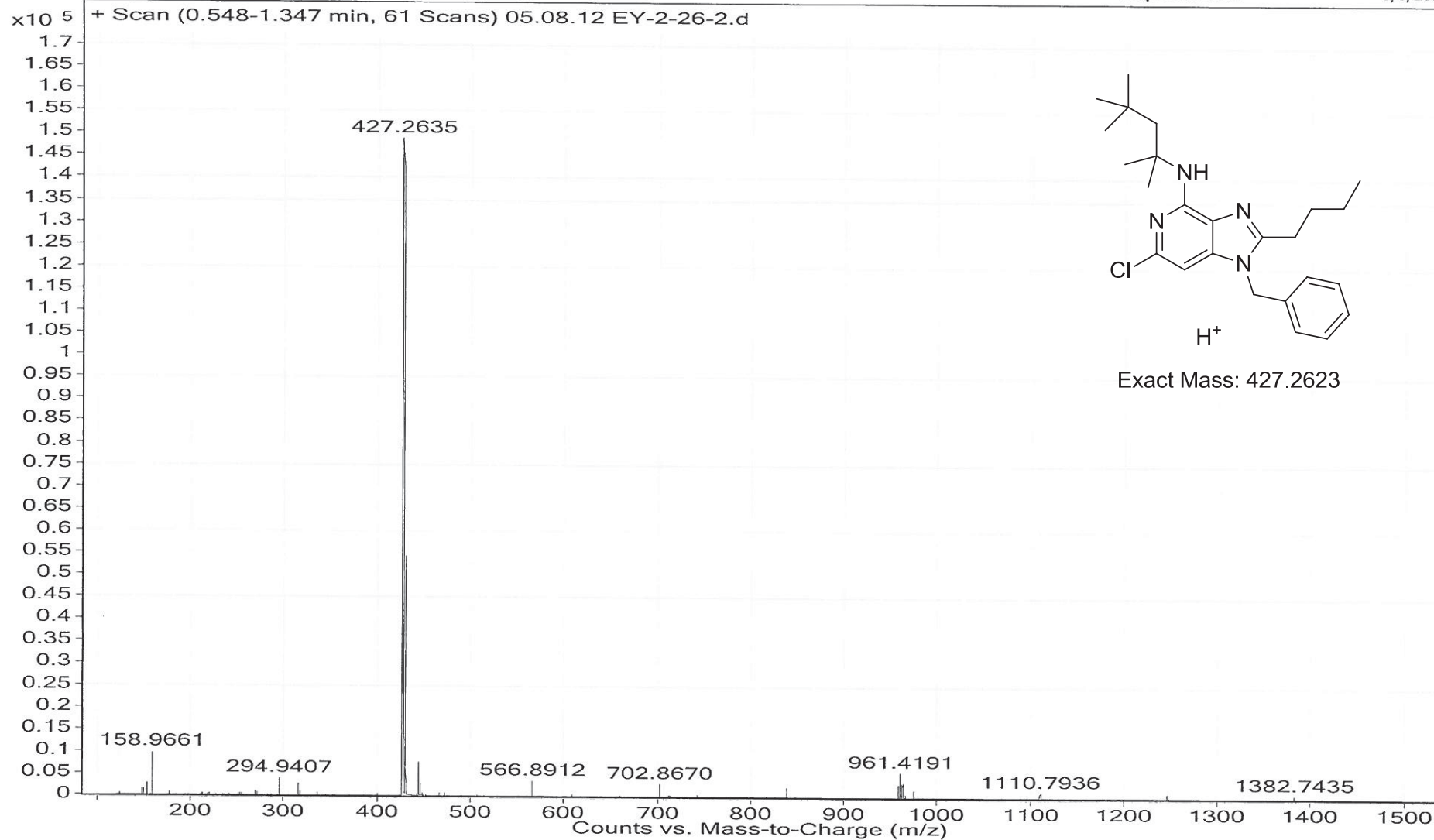
# 16 <sup>1</sup>H NMR





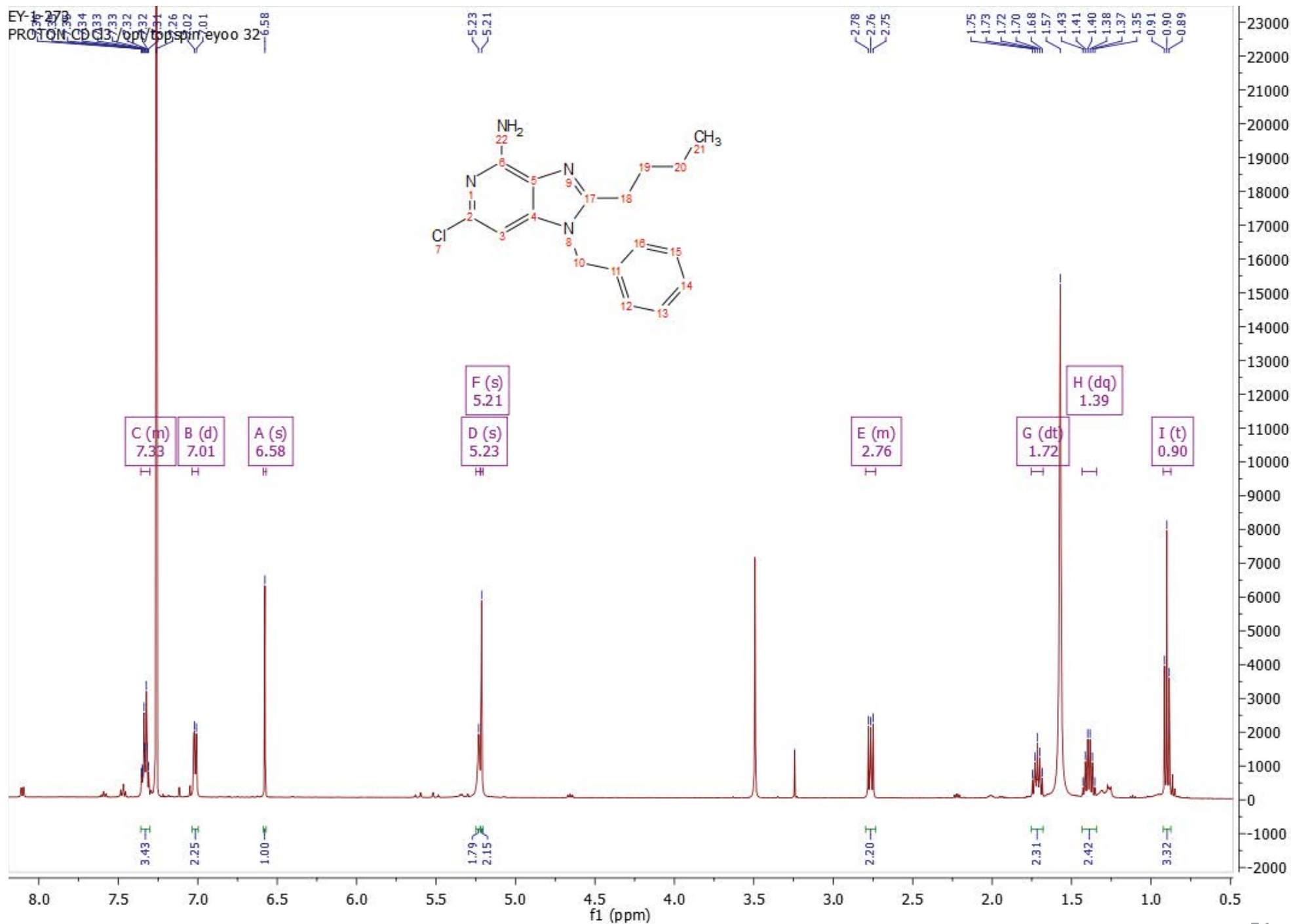
# 16 MS

Sample Name	05.08.12 EY-2-26-2	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.08.12 EY-2-26-2.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/8/2012 4:58:36 PM

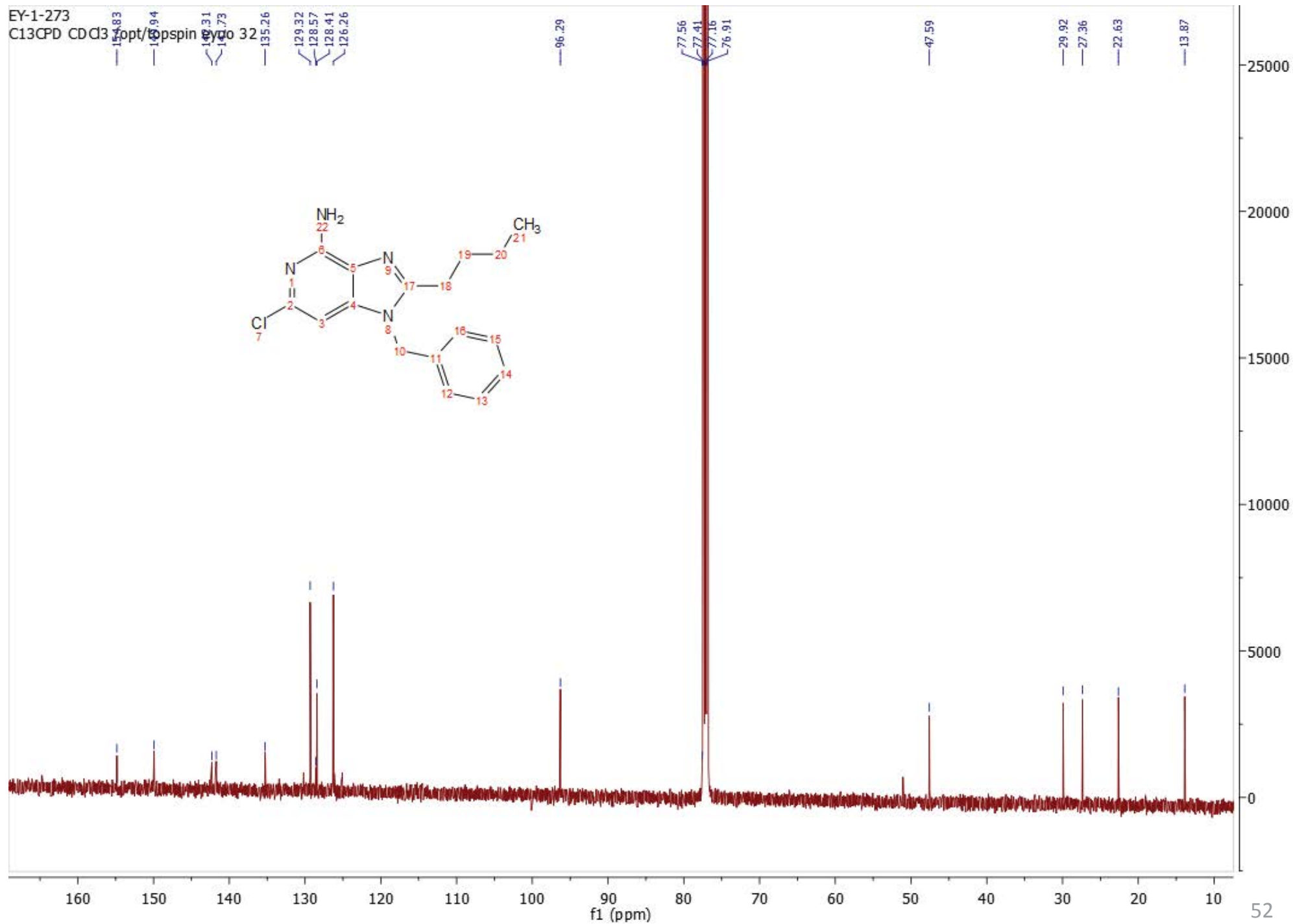




# 17 <sup>1</sup>H NMR

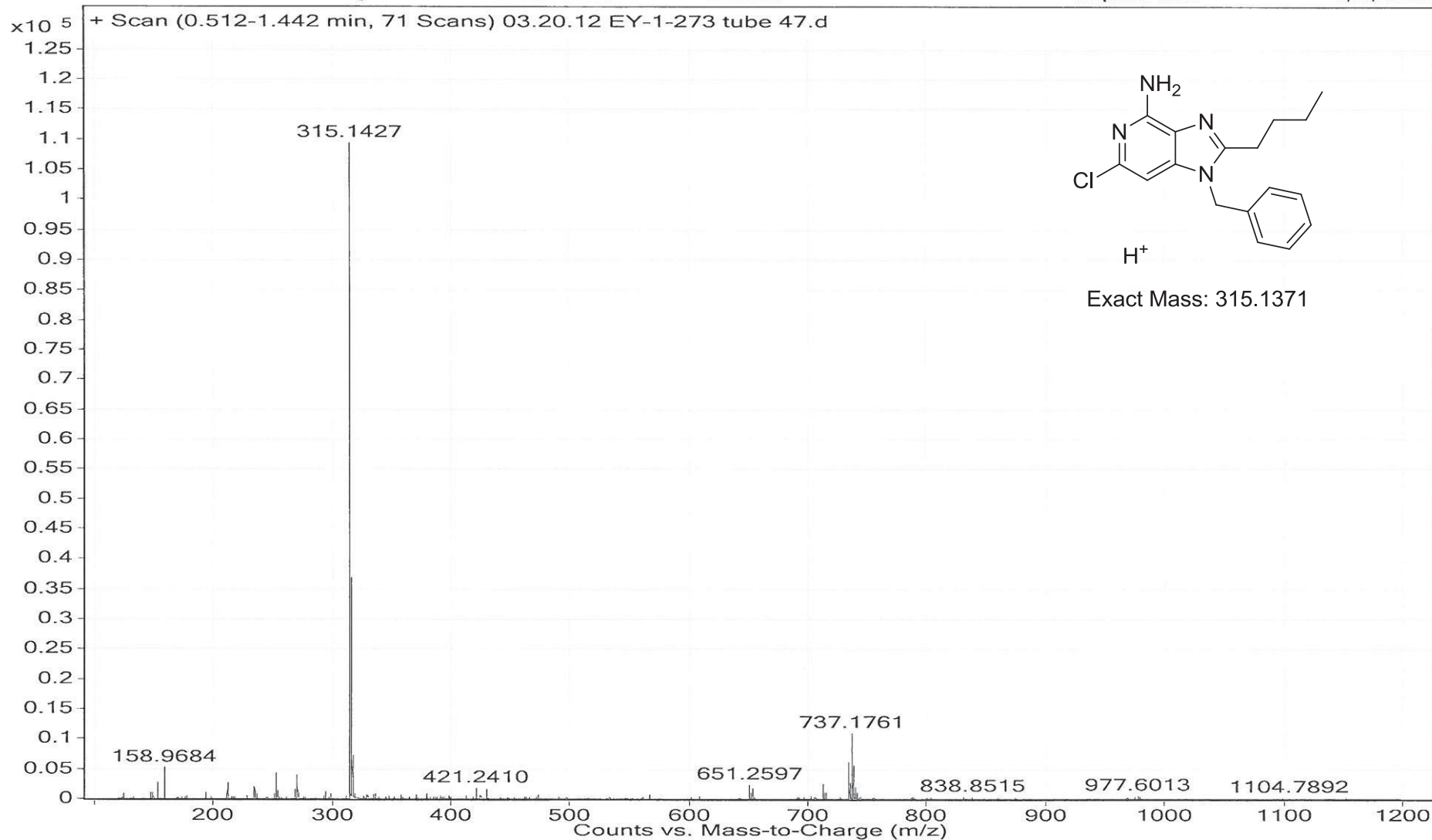


# <sup>13</sup>C NMR



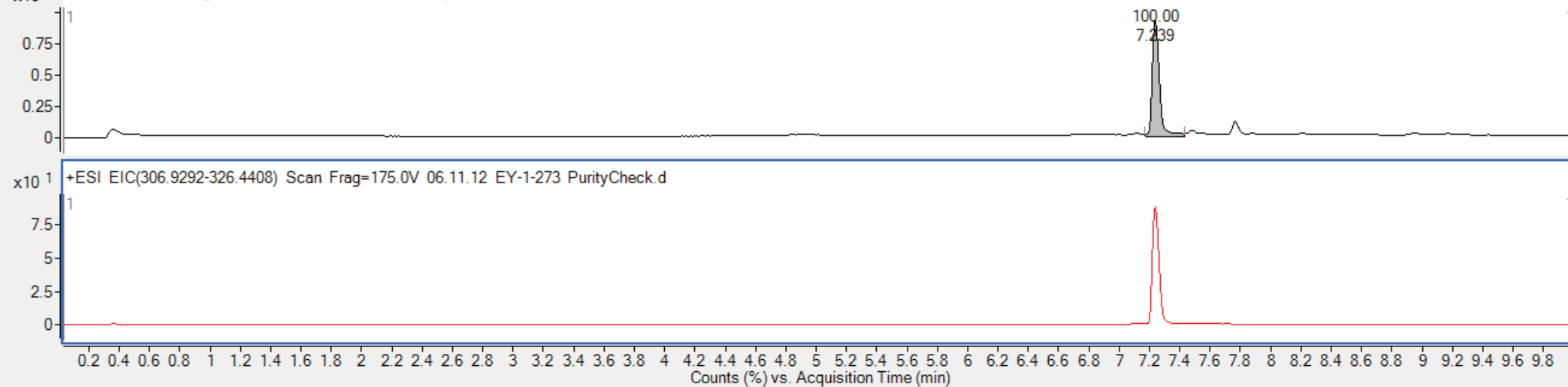
# 17 MS

Sample Name	03.20.12 EY-1-273 tu	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	03.20.12 EY-1-273 tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	3/20/2012 3:44:53 PM

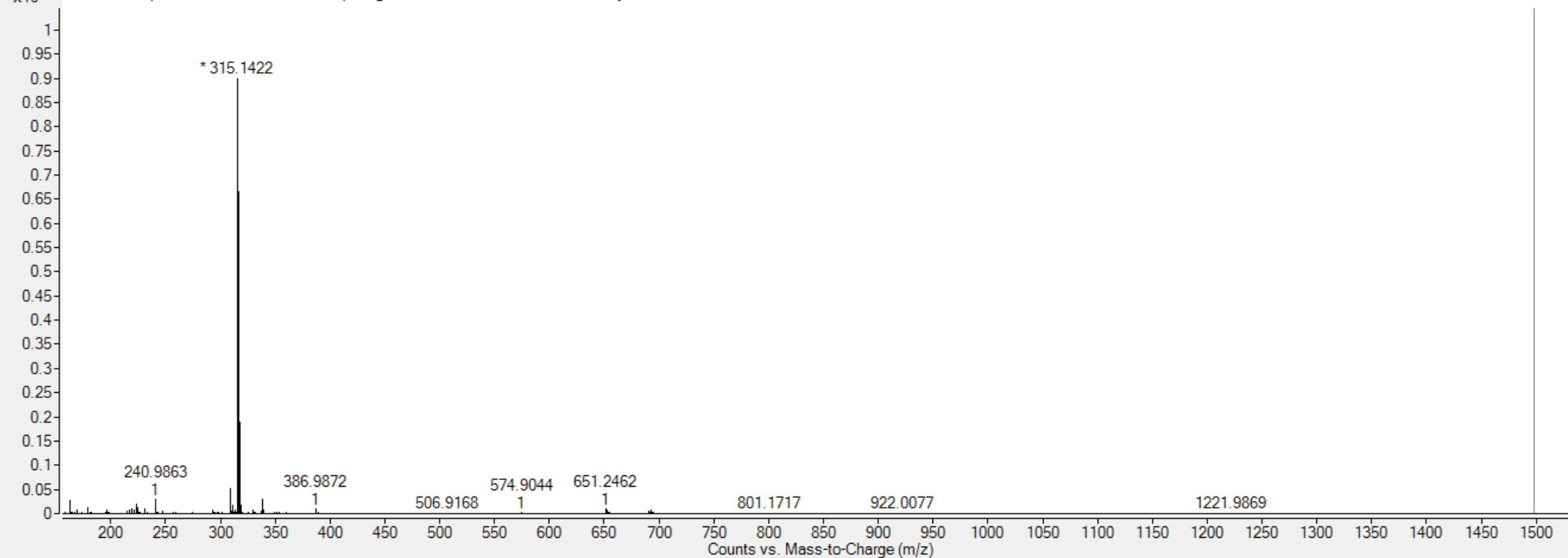


# 17 LC-MS

x10<sup>2</sup> +ESI TIC Scan Frag=175.0V 06.11.12 EY-1-273 PurityCheck.d

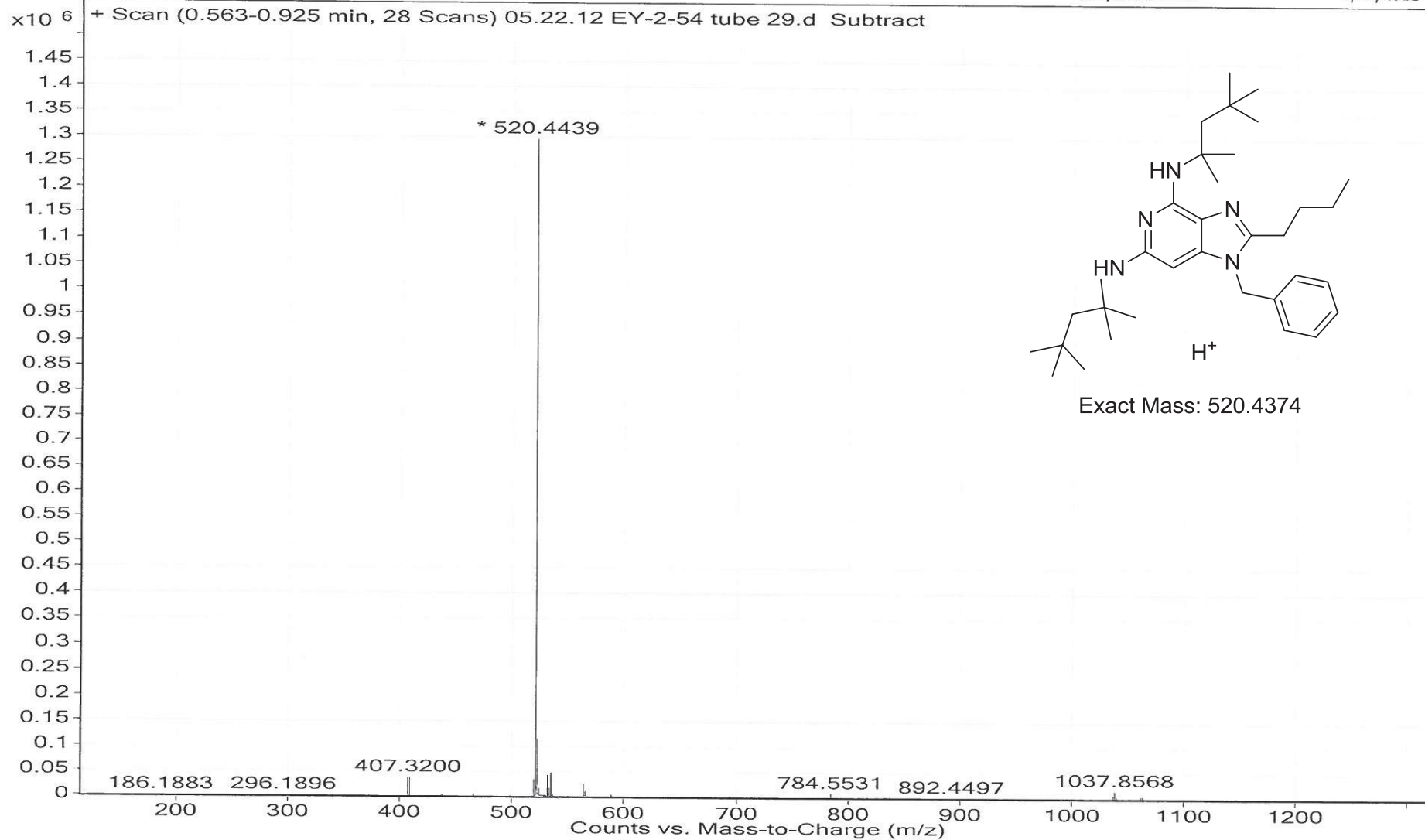


x10<sup>6</sup> +ESI Scan (7.189-7.314 min, 16 Scans) Frag=175.0V 06.11.12 EY-1-273 PurityCheck.d

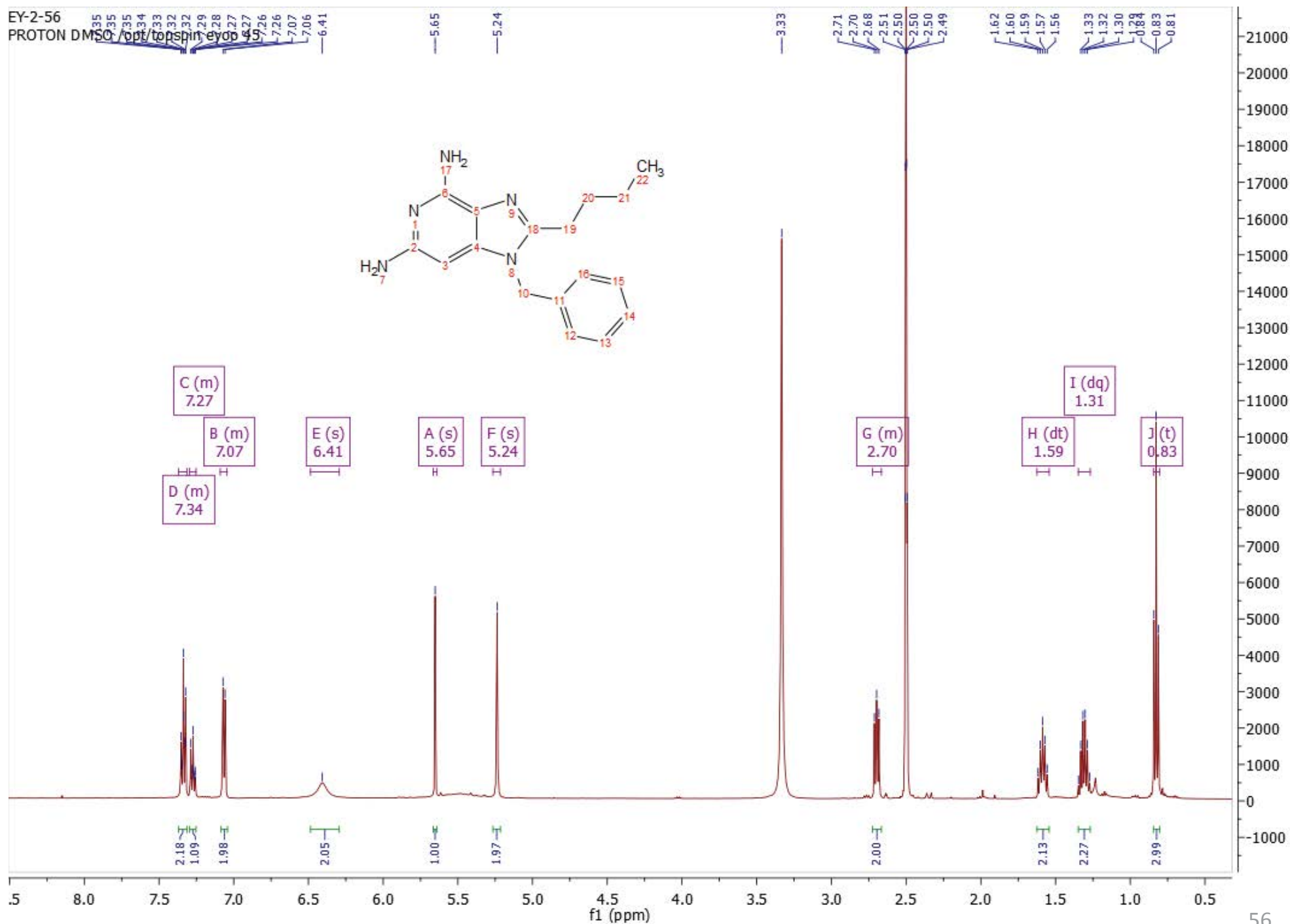


# 18a MS

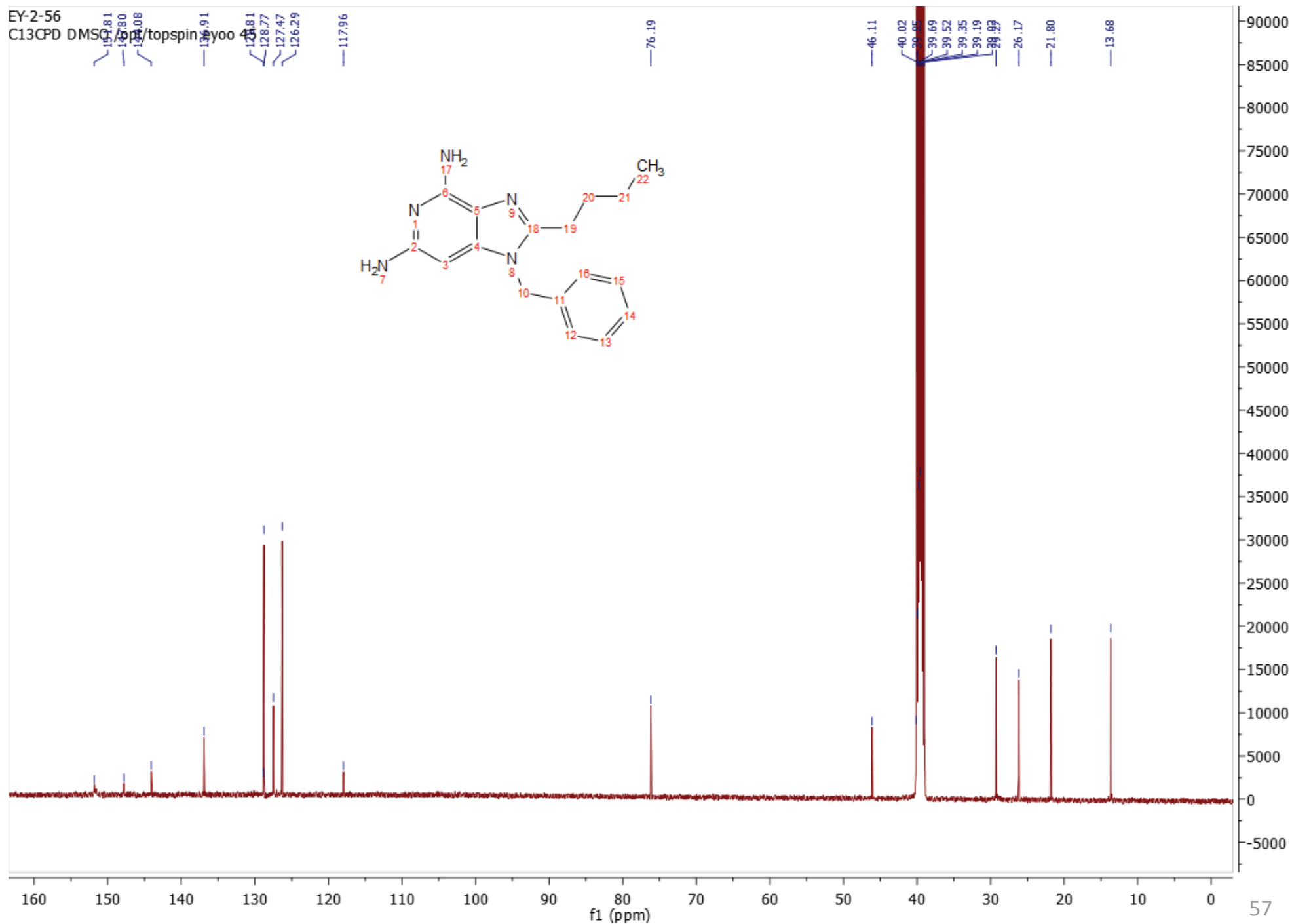
Sample Name	05.22.12 EY-2-54 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.22.12 EY-2-54 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/22/2012 2:49:30 PM



# 19a <sup>1</sup>H NMR



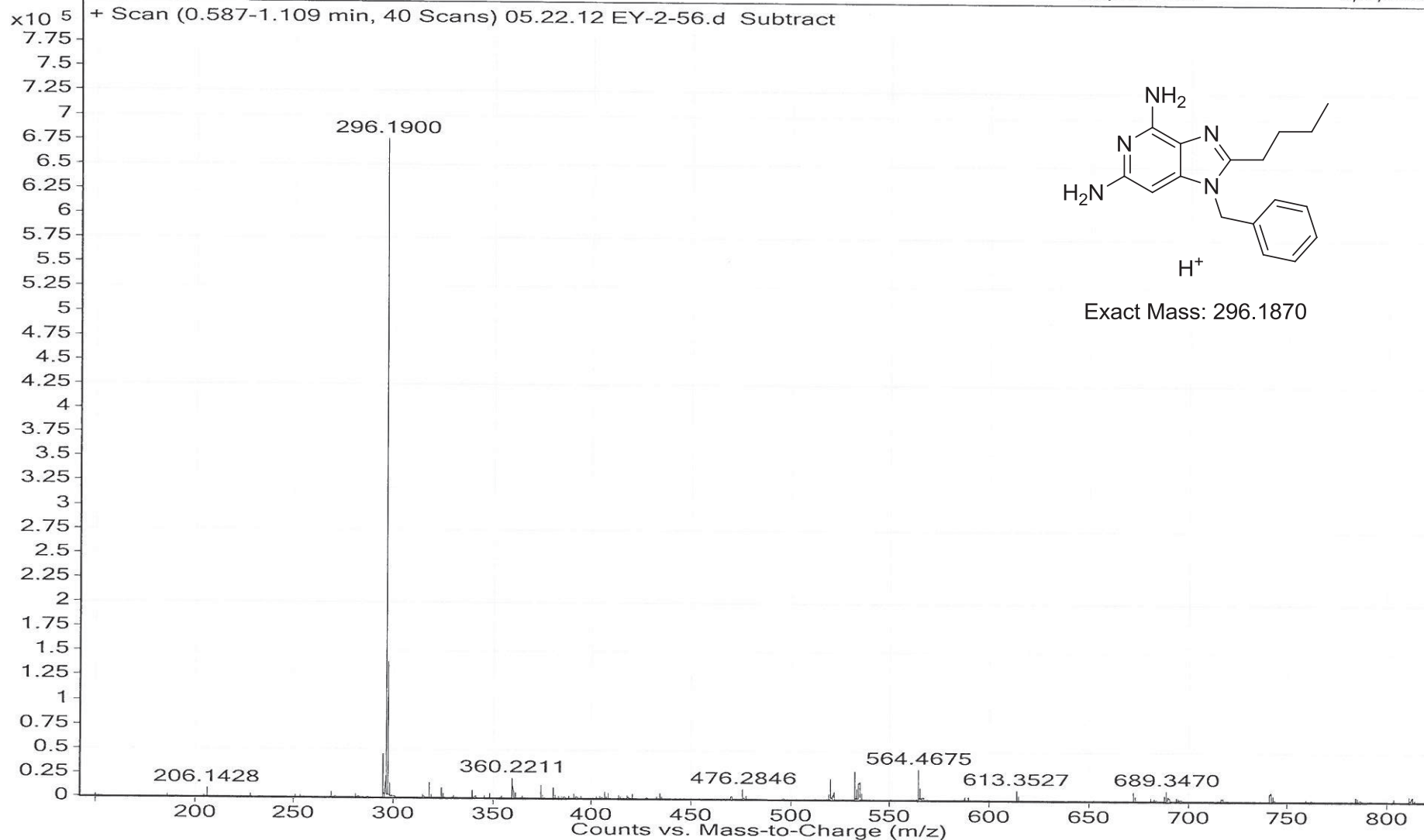
# 19a <sup>13</sup>C NMR



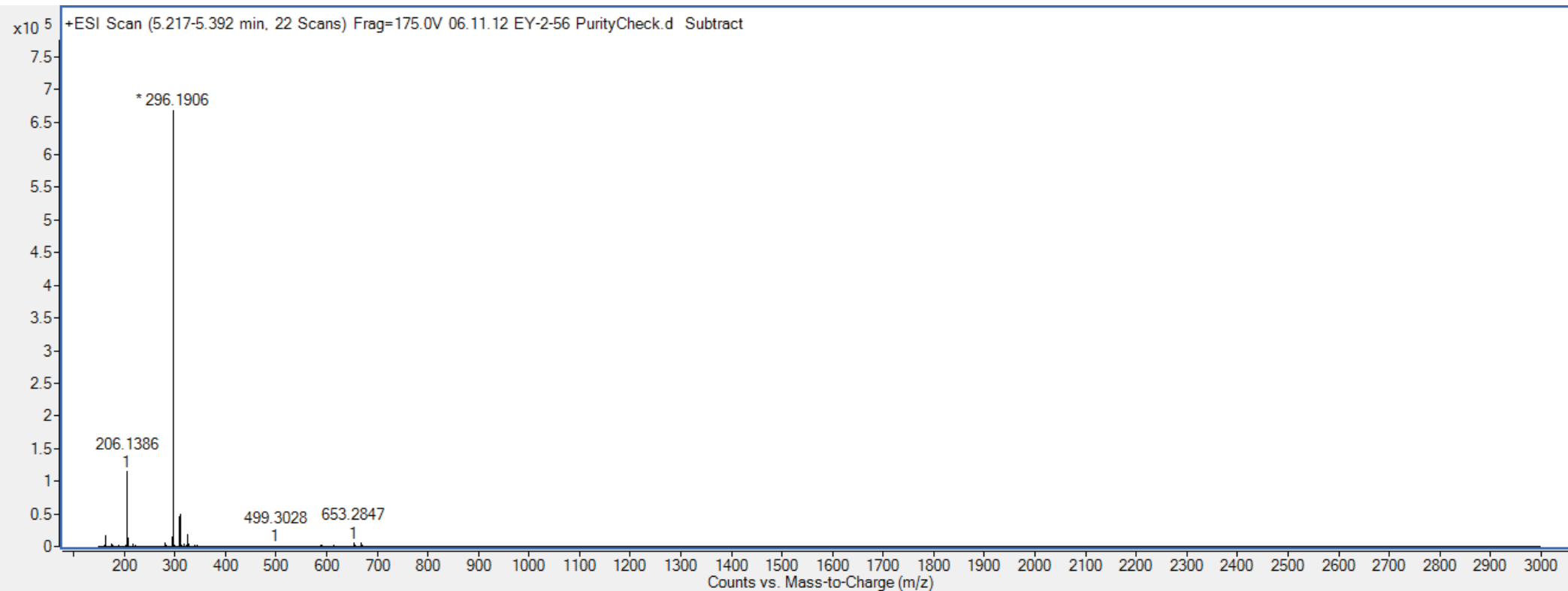
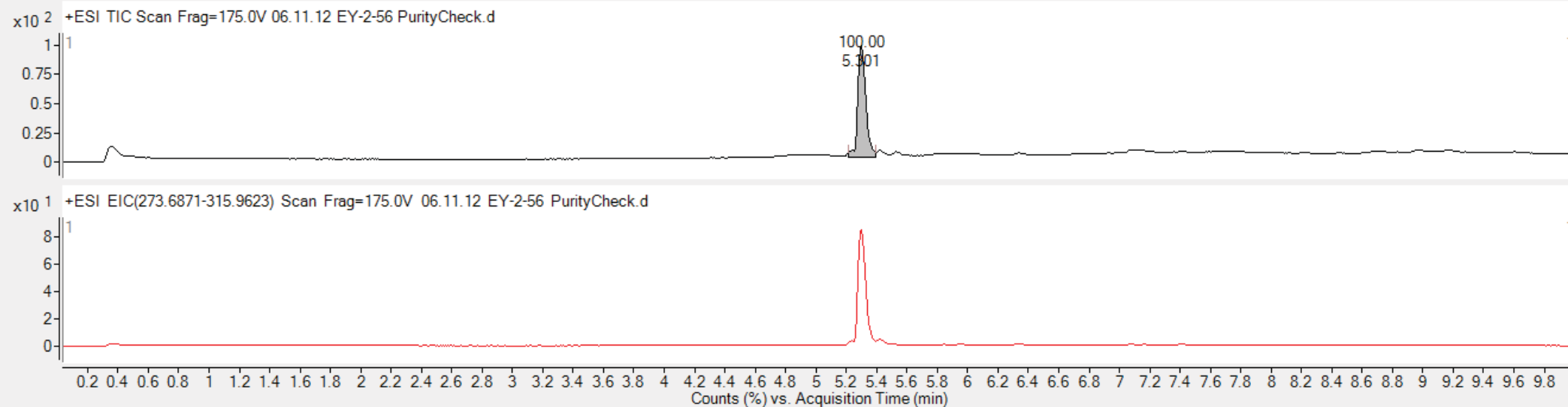


# 19a MS

Sample Name	05.22.12 EY-2-56	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.22.12 EY-2-56.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/22/2012 5:53:51 PM

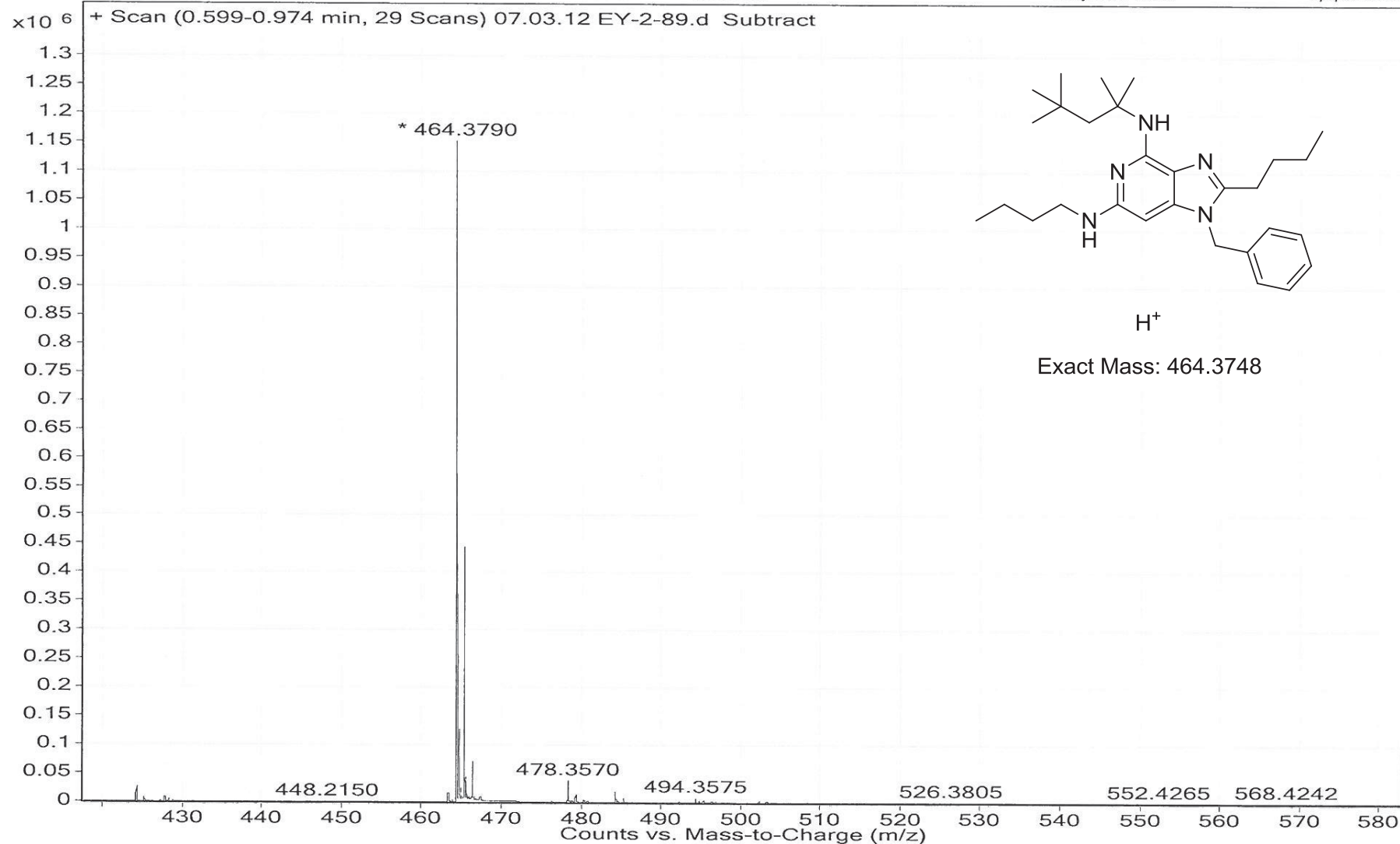


# 19a LC-MS

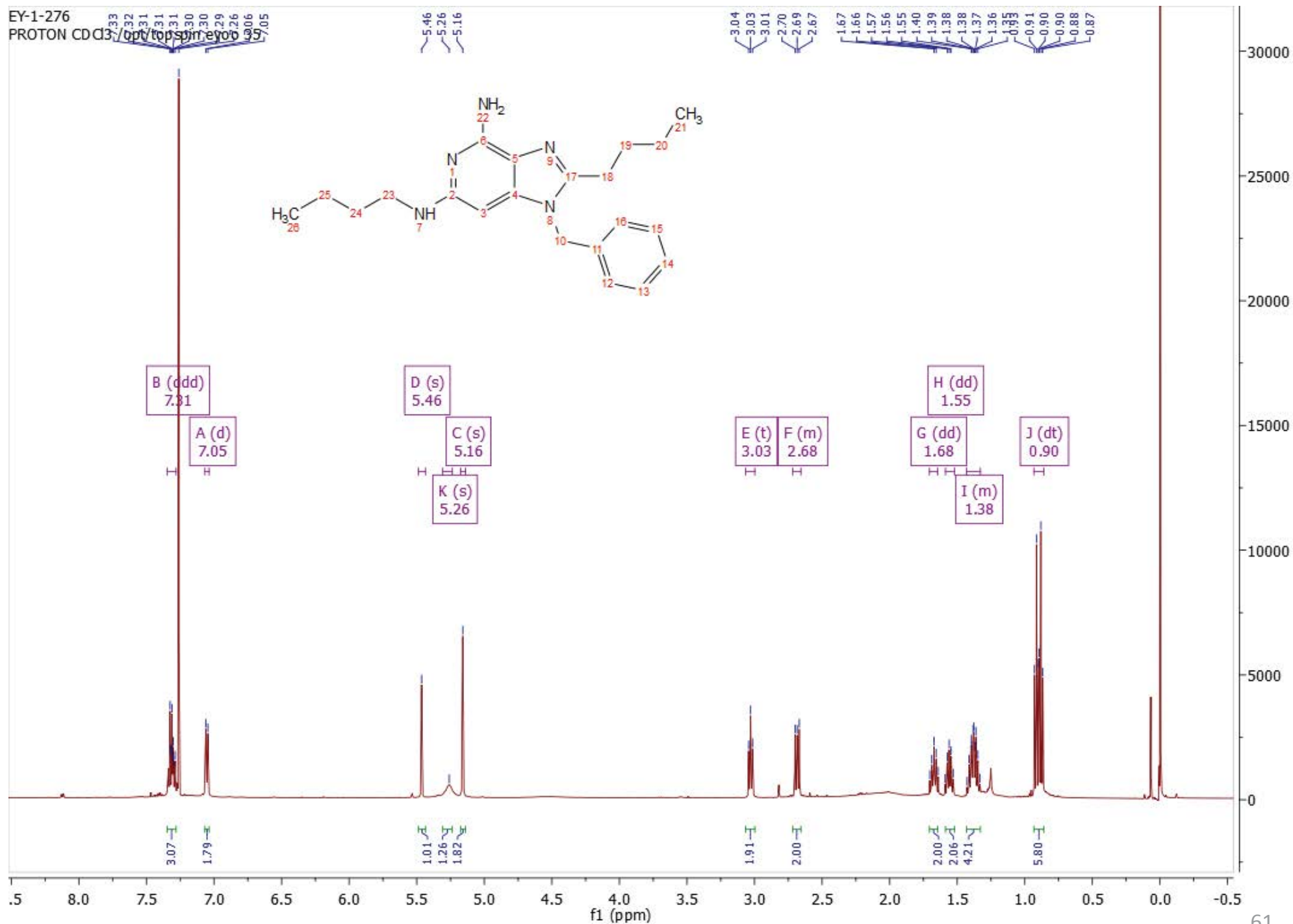


# 18b MS

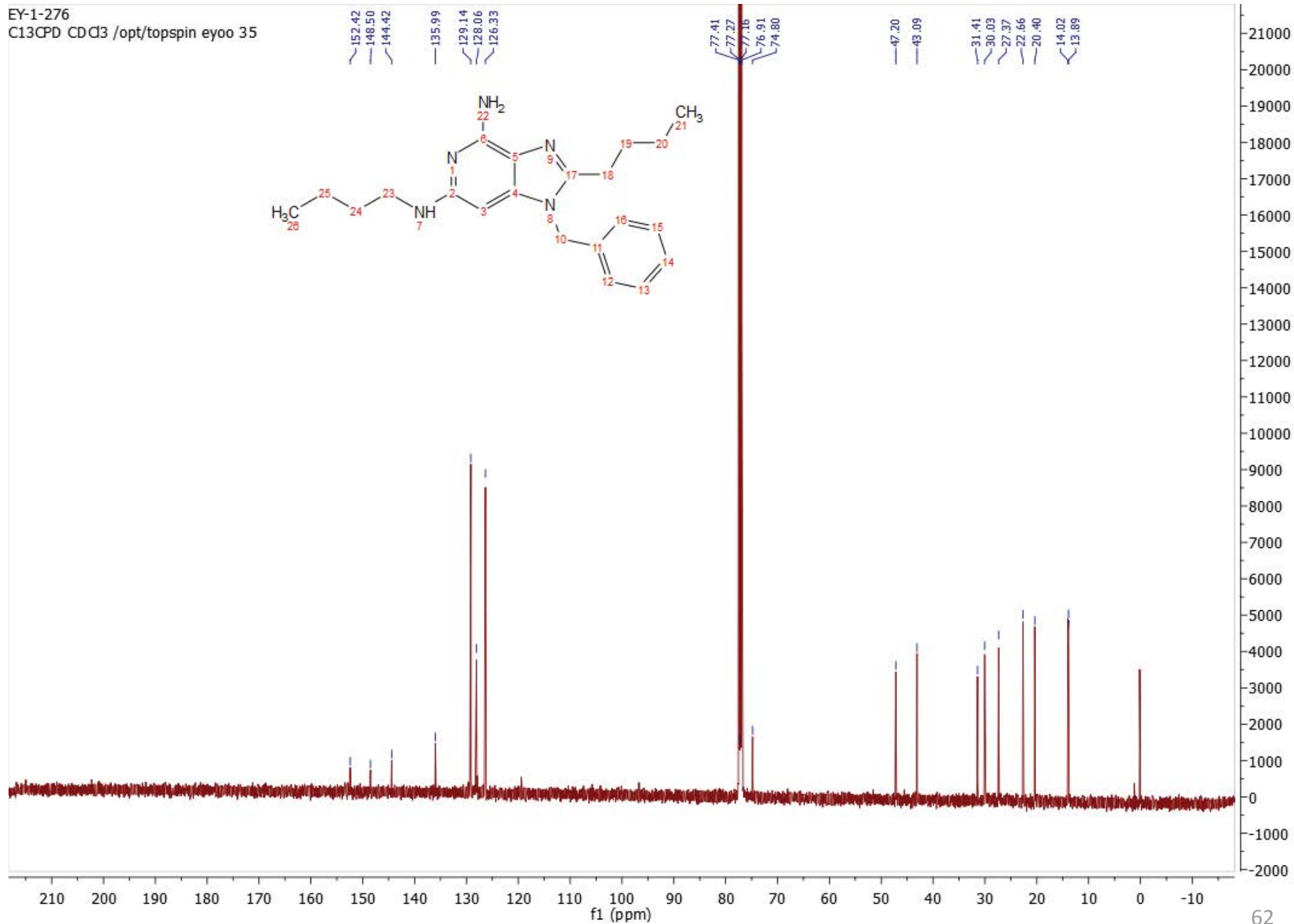
Sample Name	07.03.12 EY-2-89	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	07.03.12 EY-2-89.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	7/3/2012 1:55:46 PM



# 19b <sup>1</sup>H NMR

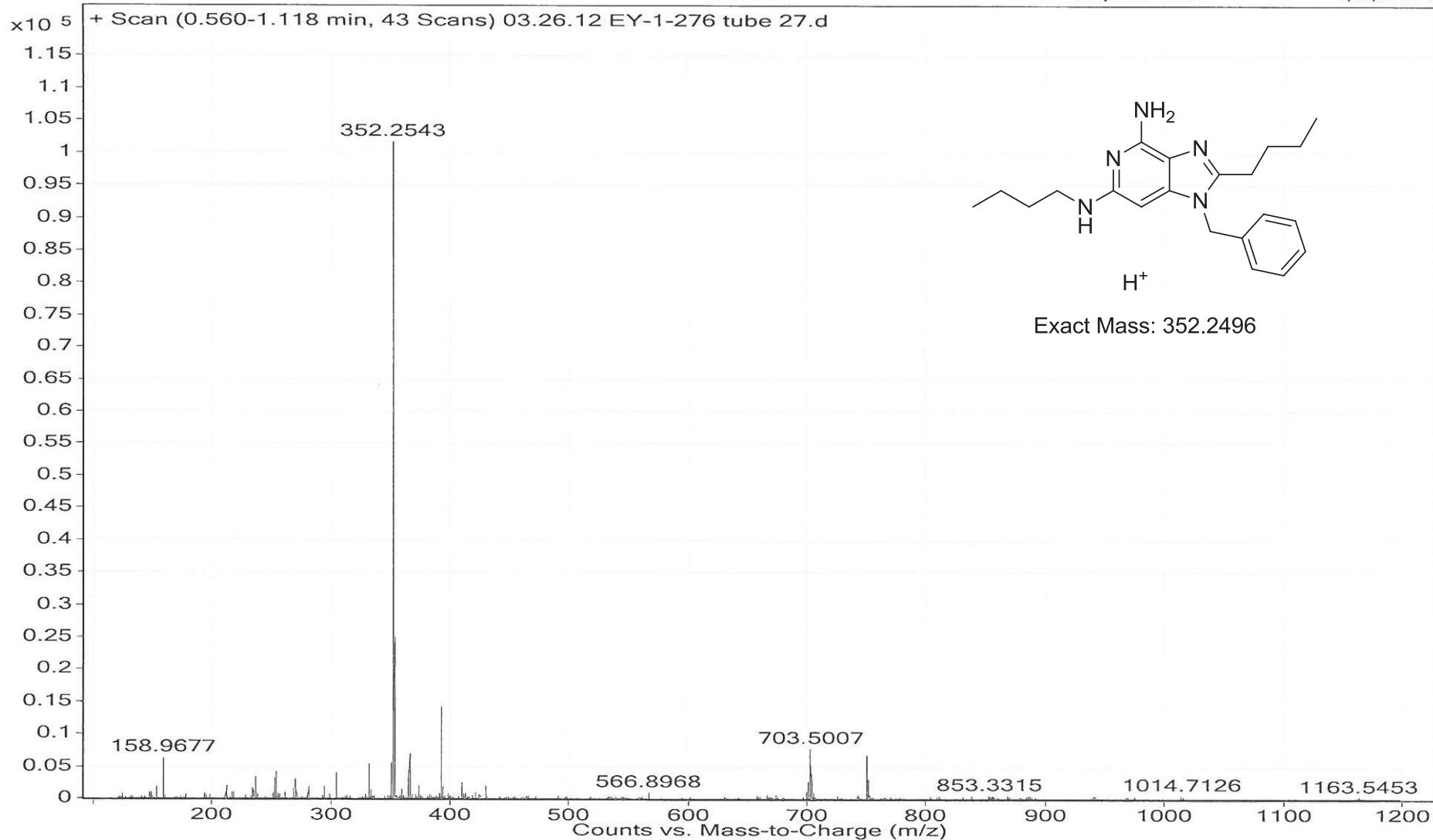


# 19b <sup>13</sup>C NMR

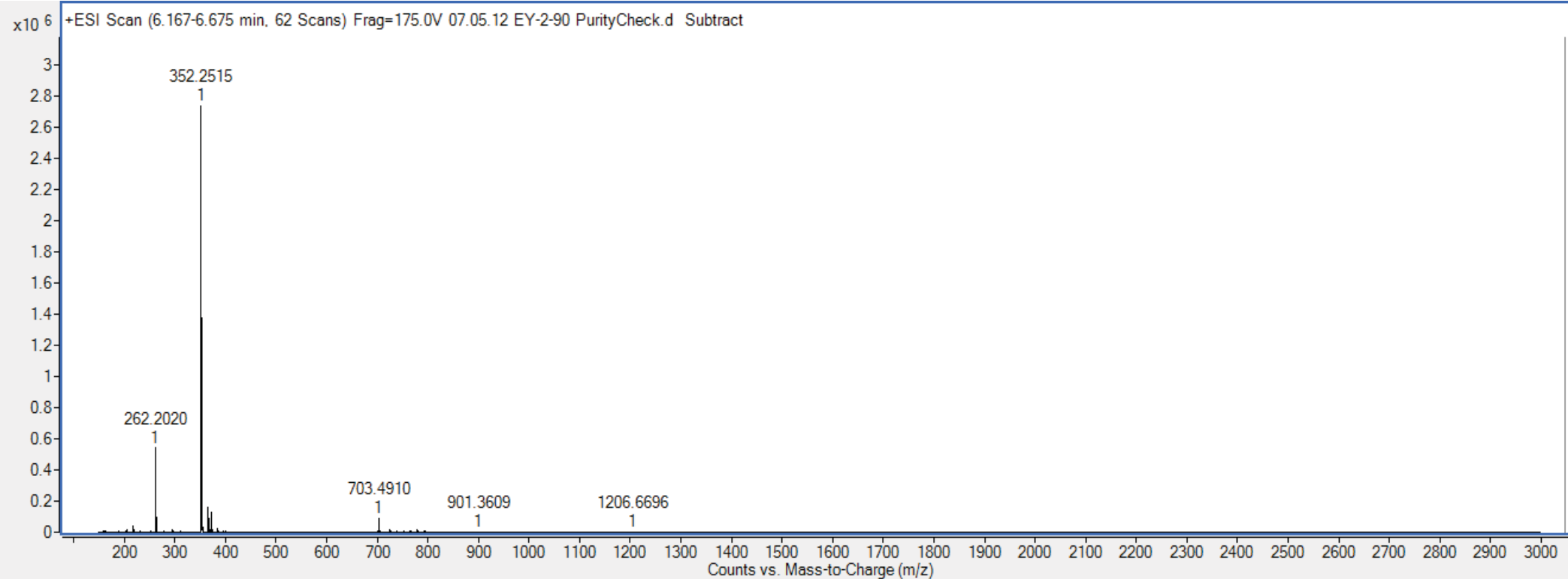
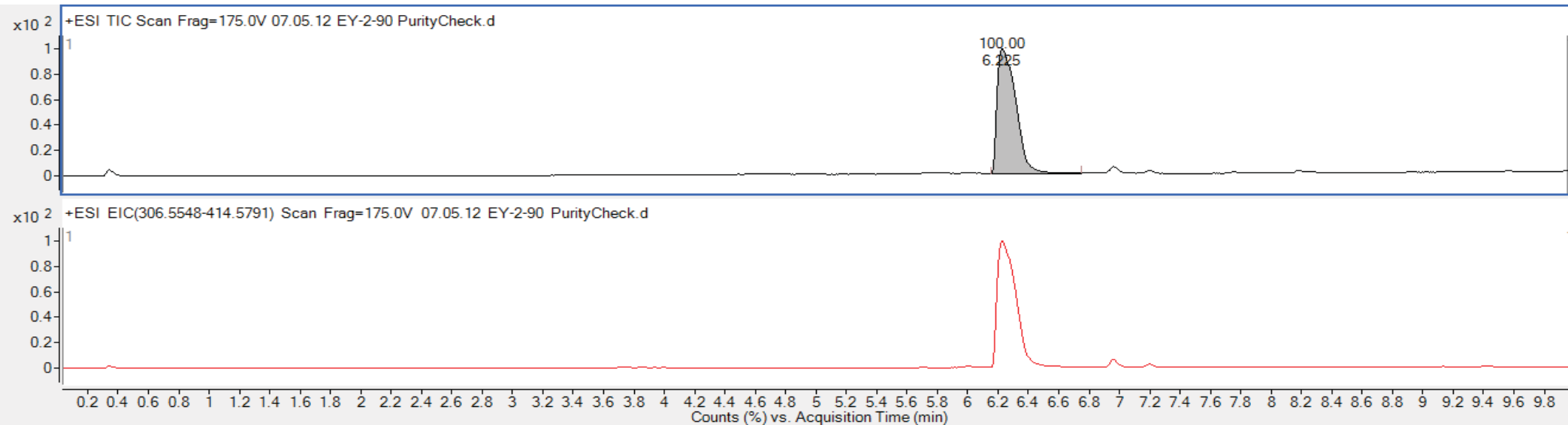


# 19b MS

Sample Name	03.26.12 EY-1-276 tu	Position	Vial 2	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	03.26.12 EY-1-276 tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	3/26/2012 4:59:27 PM

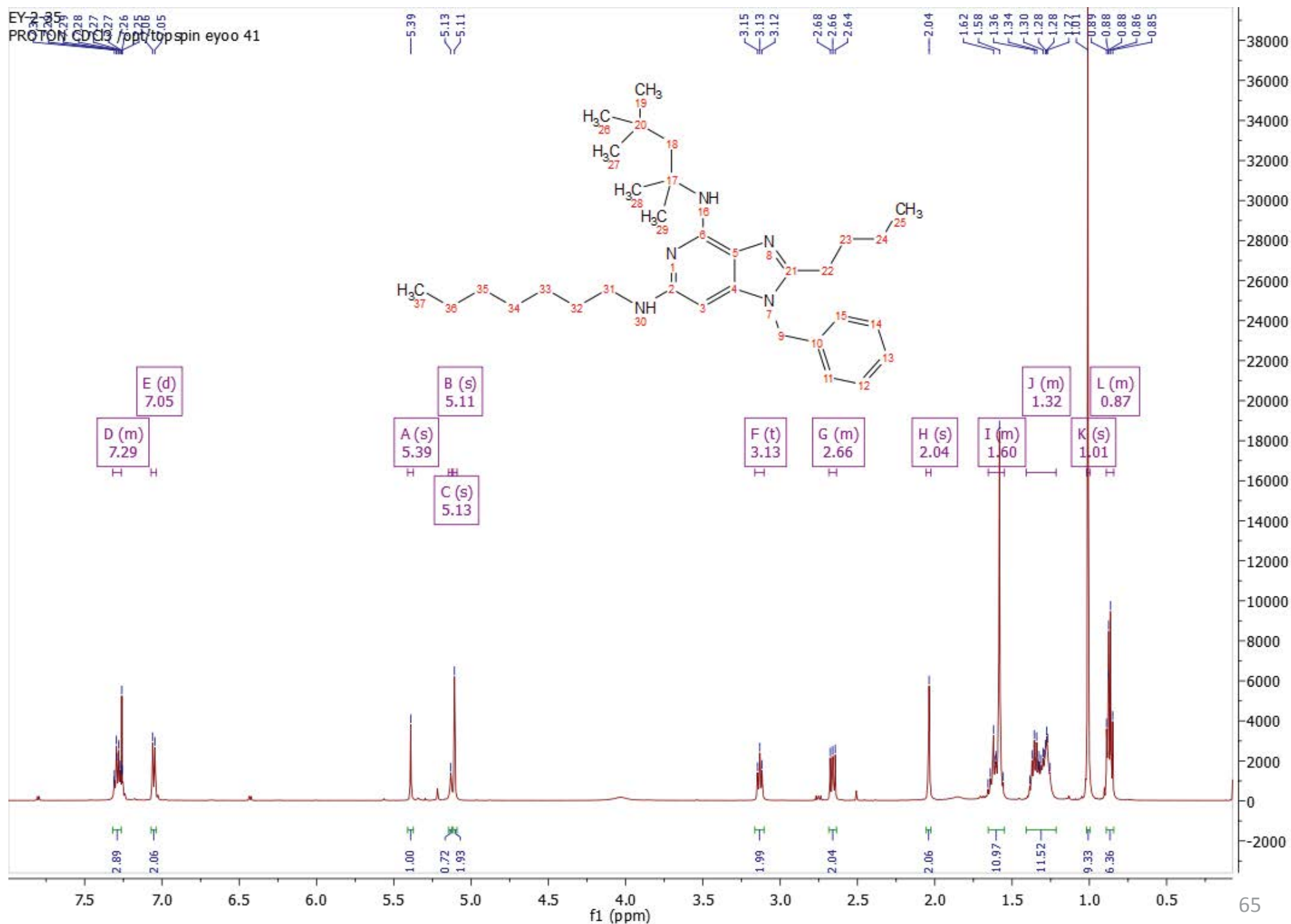


# 19b LC-MS

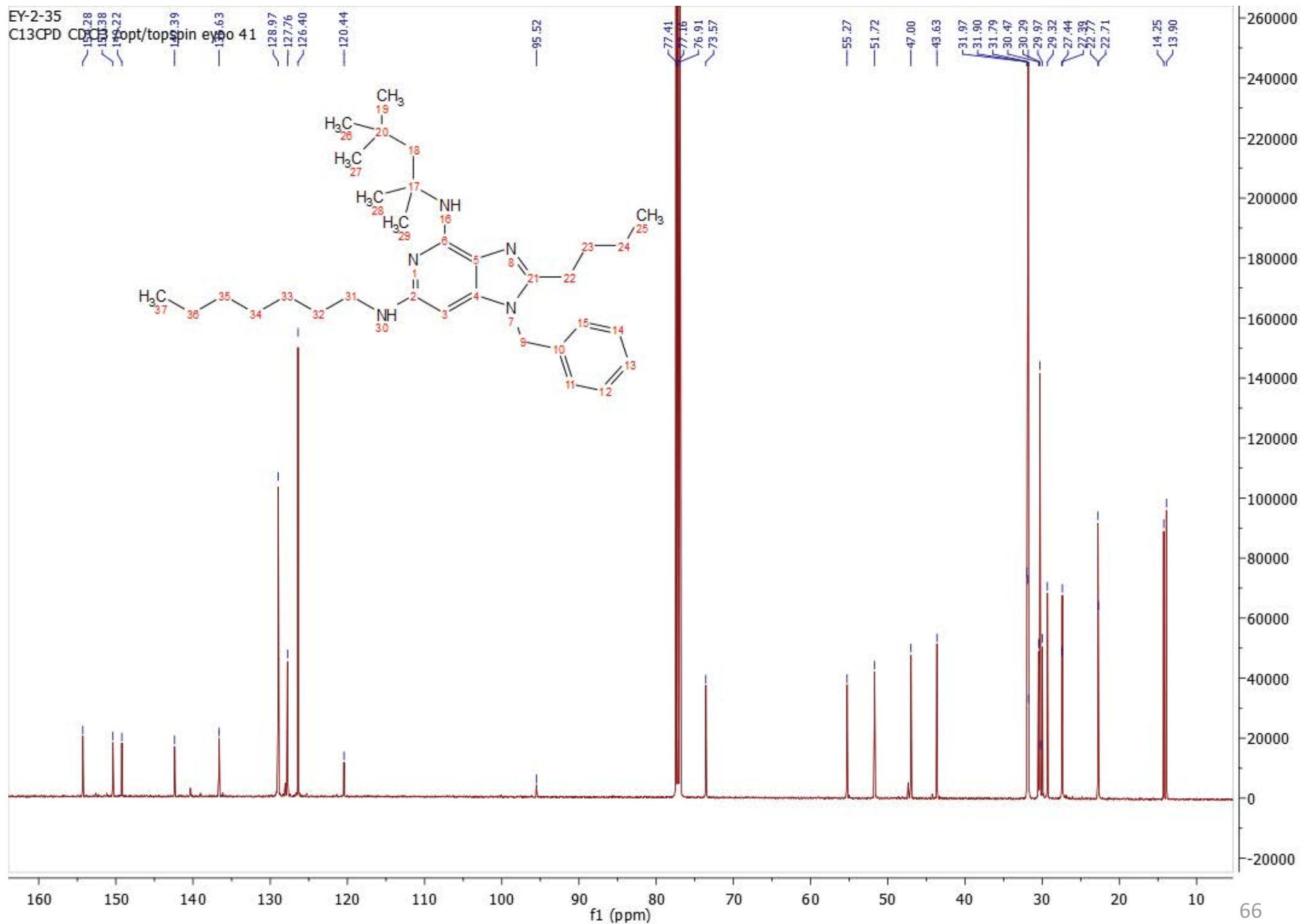




# 18c <sup>1</sup>H NMR

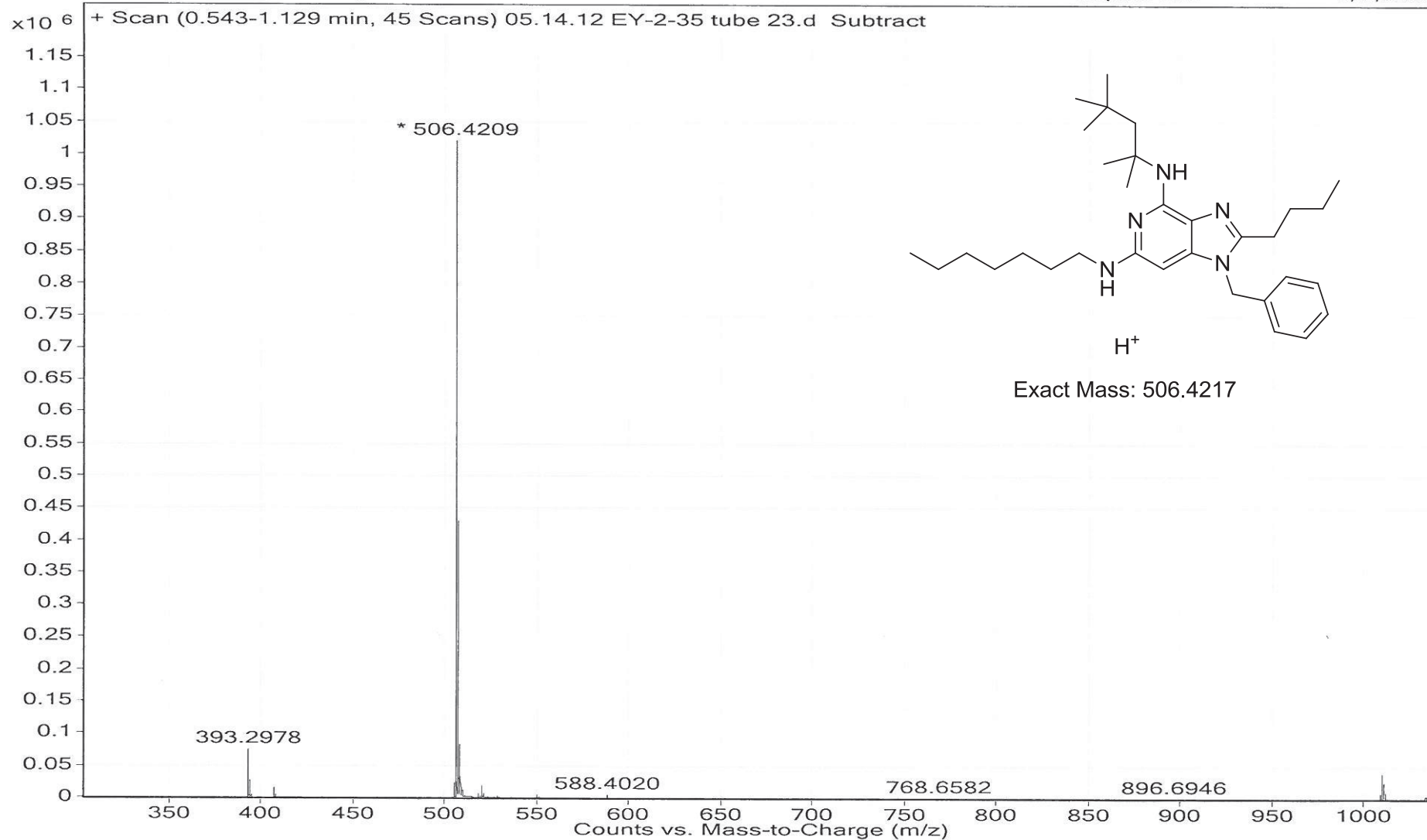


# 18c <sup>13</sup>C NMR

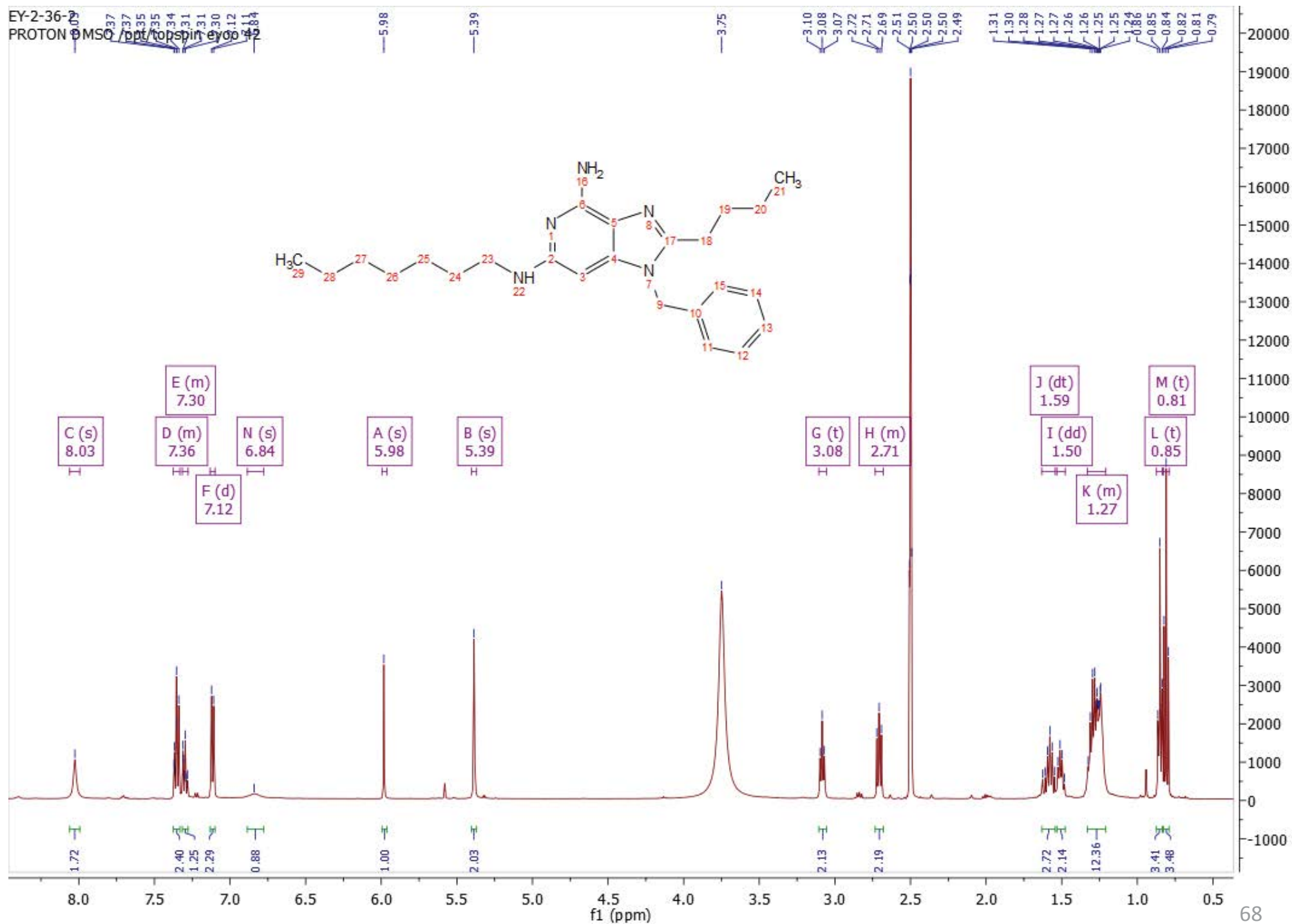


# 18c MS

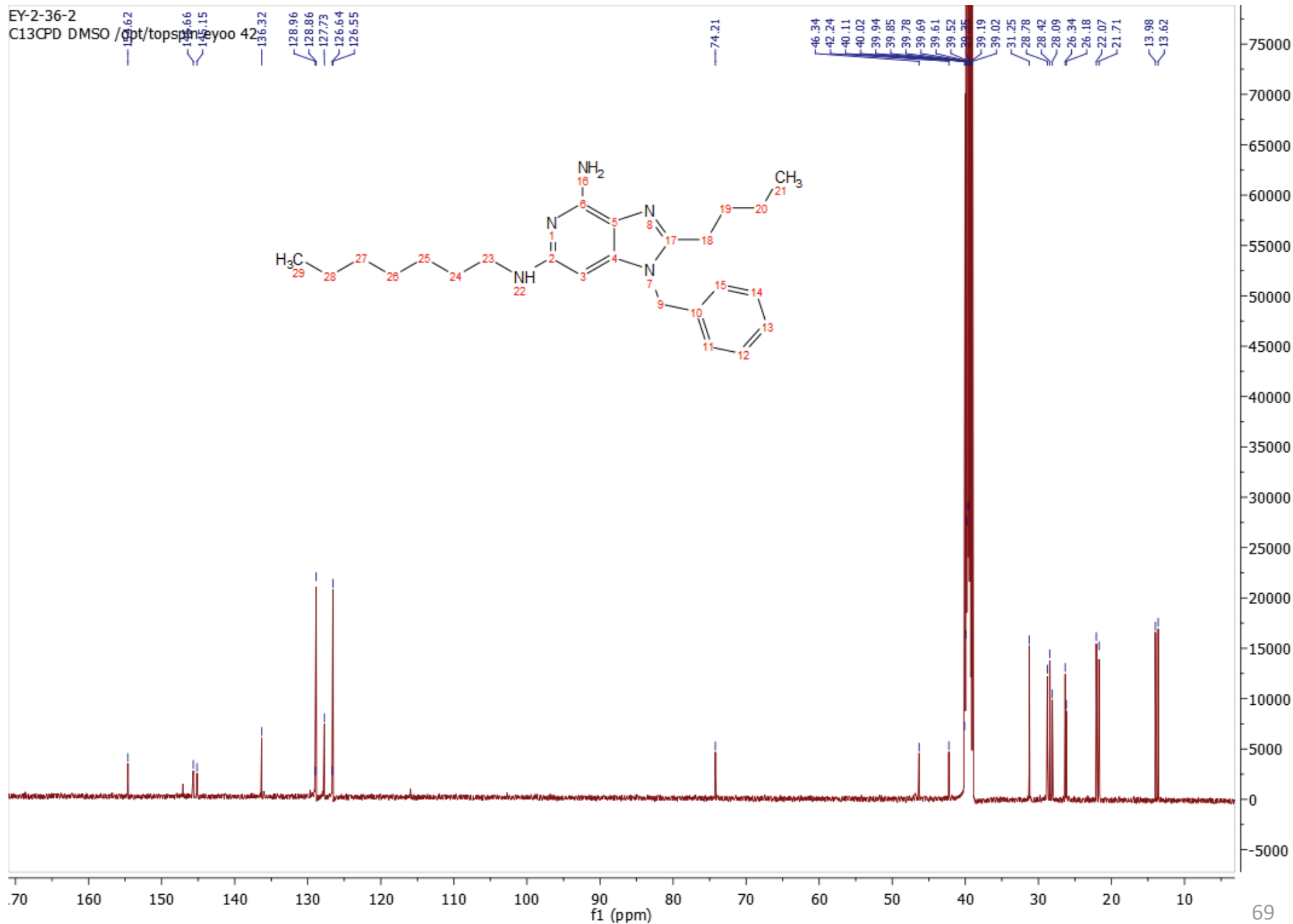
Sample Name	05.14.12 EY-2-35 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.14.12 EY-2-35 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/14/2012 5:26:52 PM



# 19c <sup>1</sup>H NMR

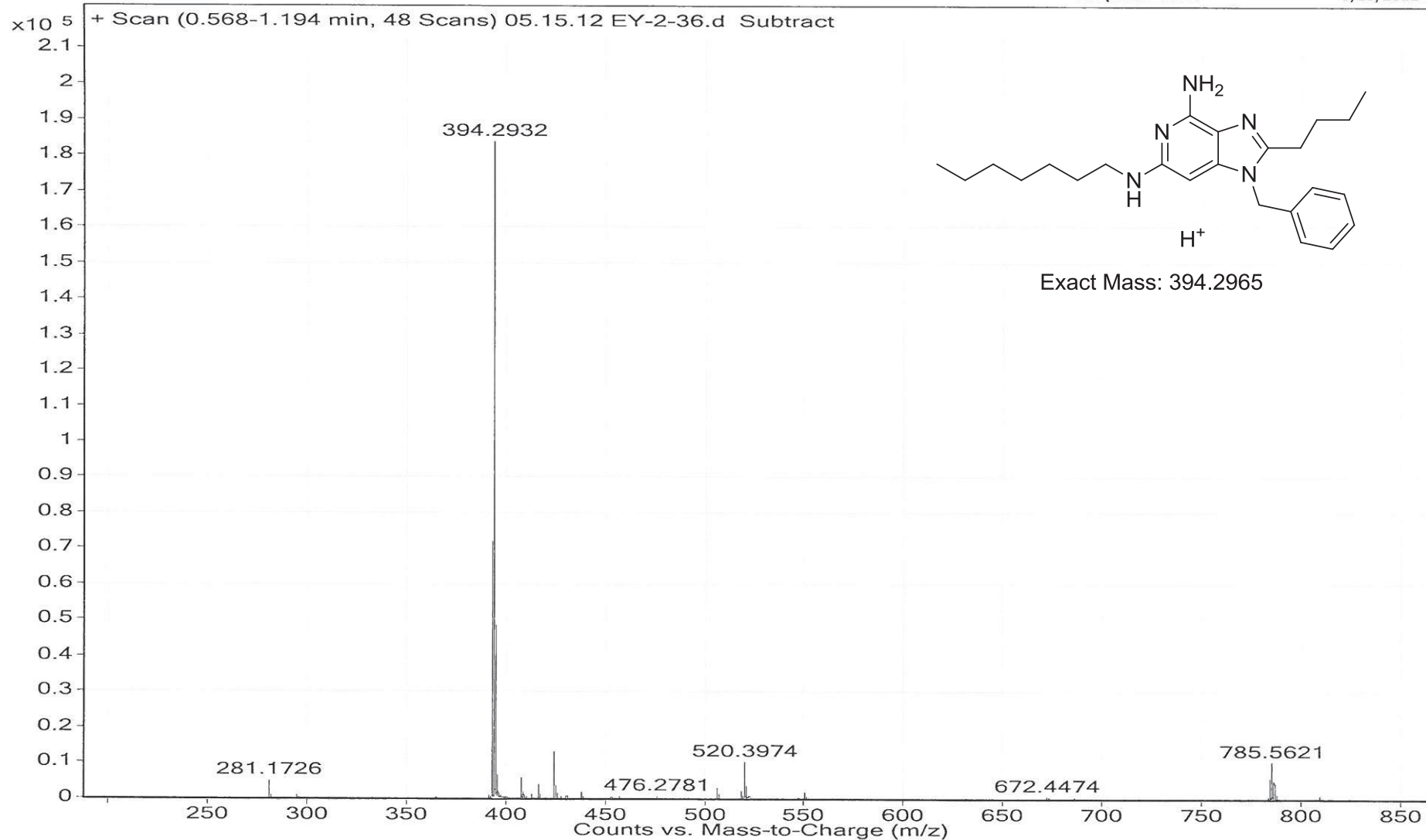


# 19c <sup>13</sup>C NMR

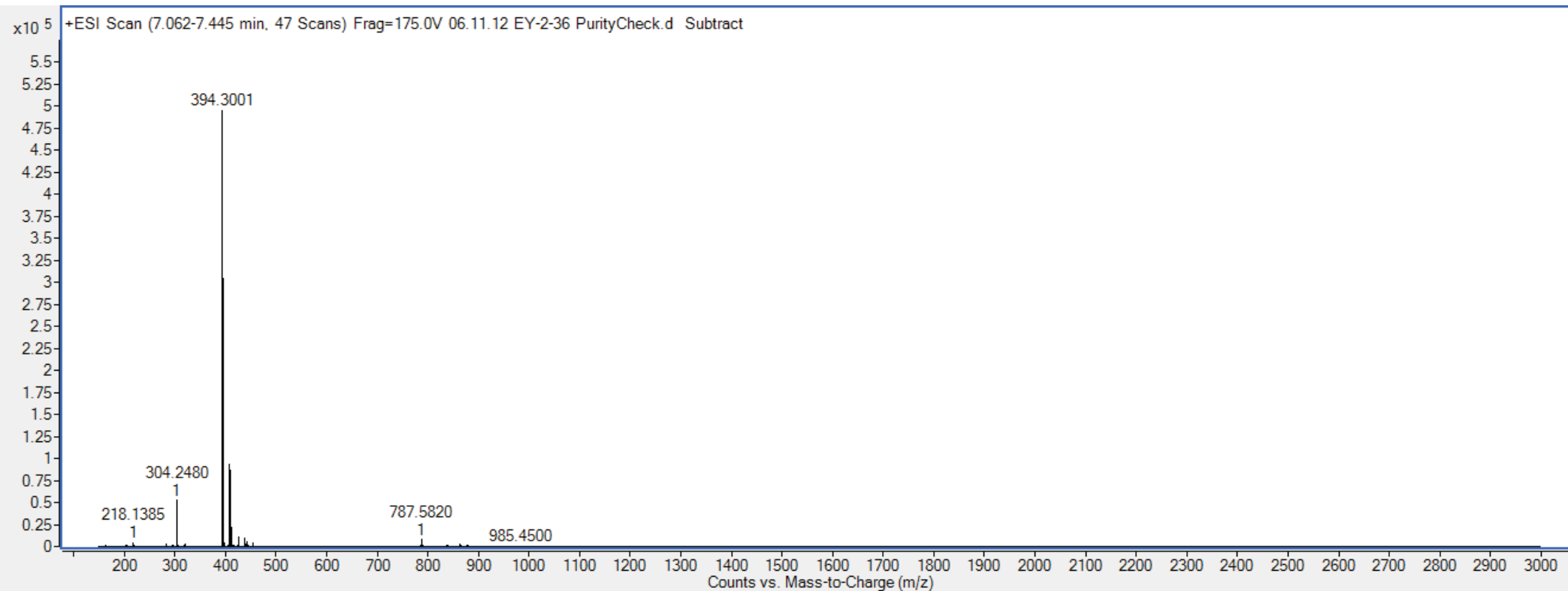
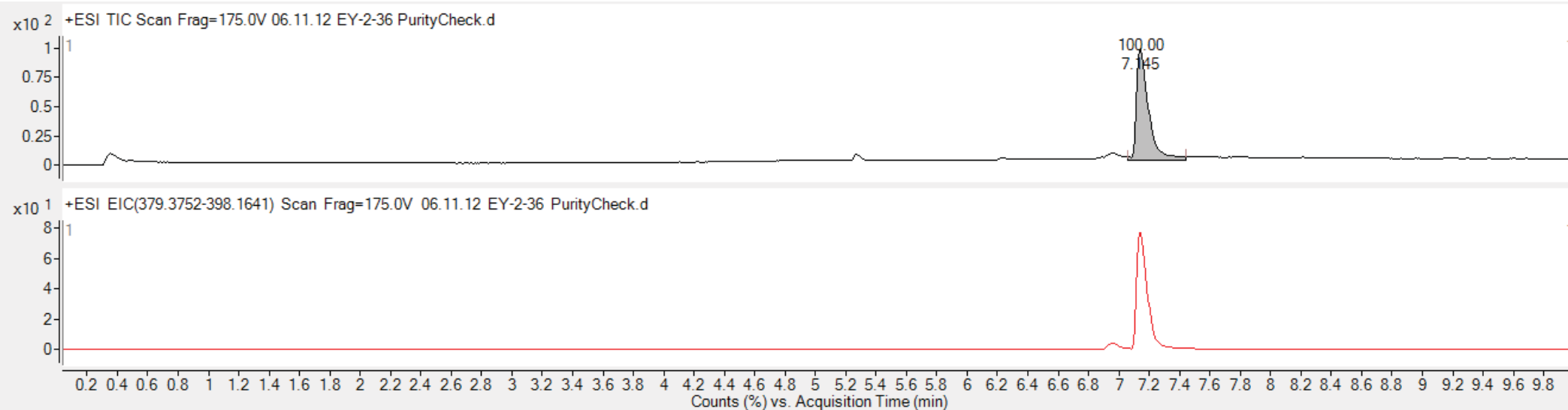


# 19c MS

Sample Name	05.15.12 EY-2-36	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.15.12 EY-2-36.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/15/2012 8:30:39 AM

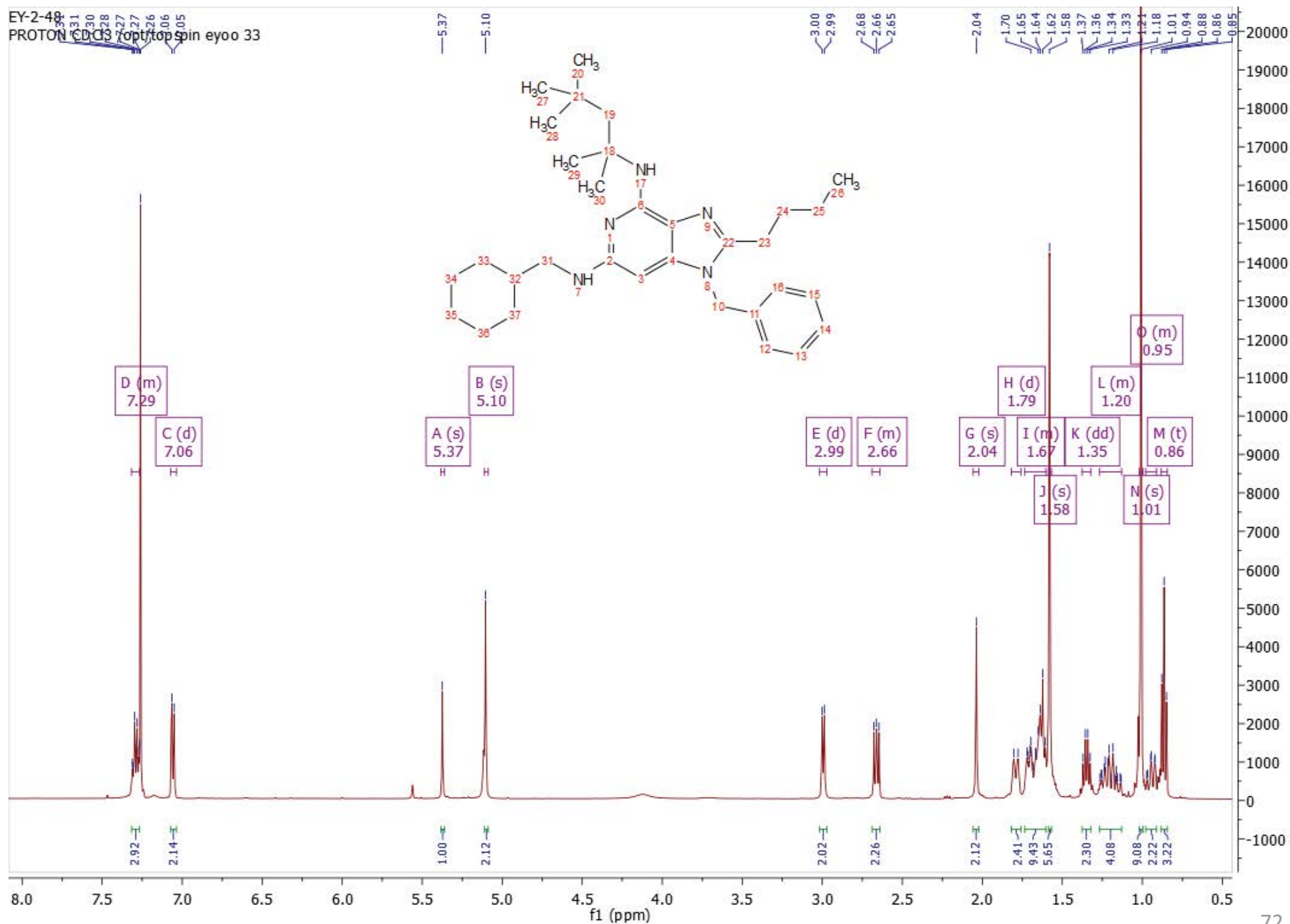


## 19c LC-MS



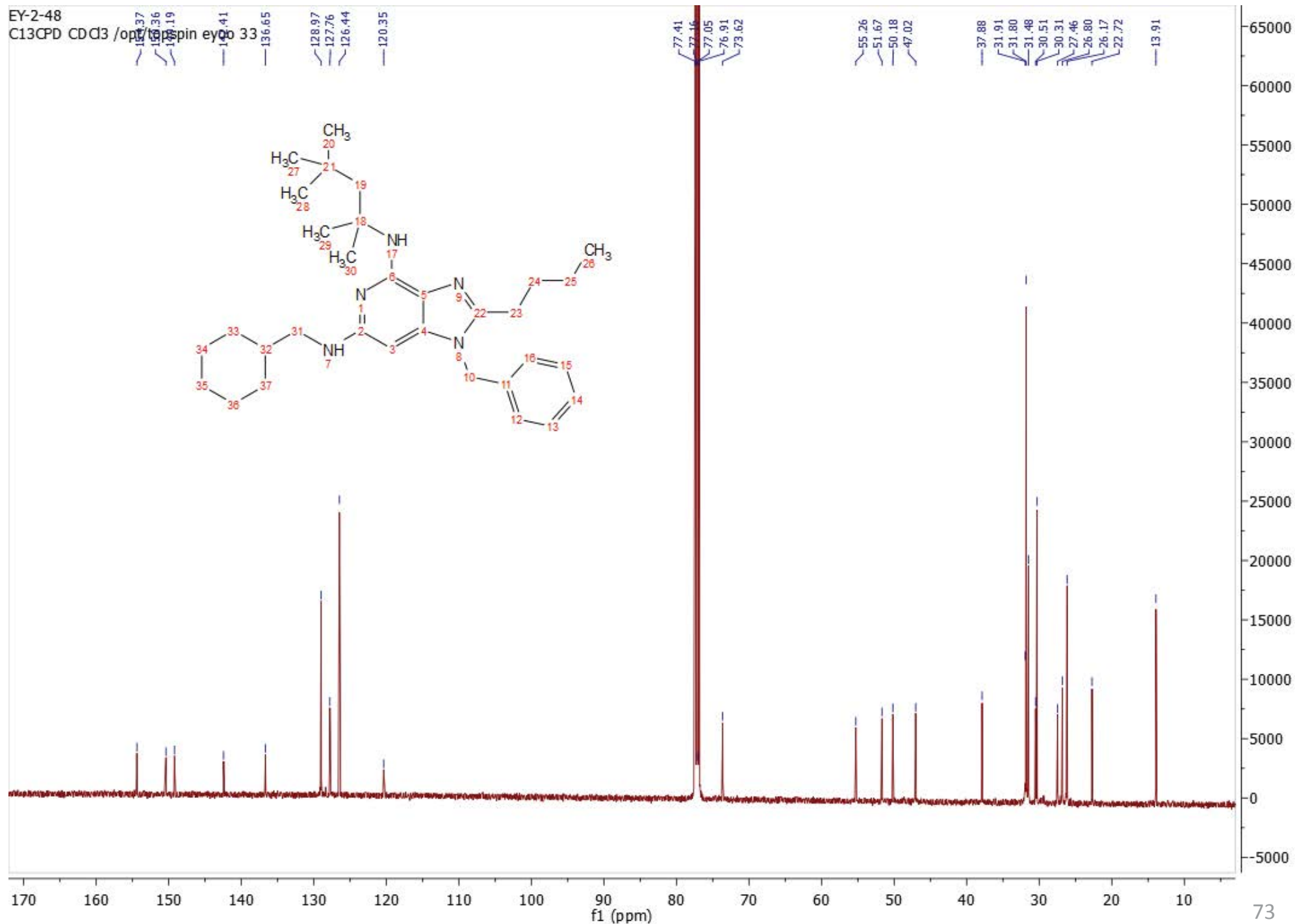


# 18d <sup>1</sup>H NMR



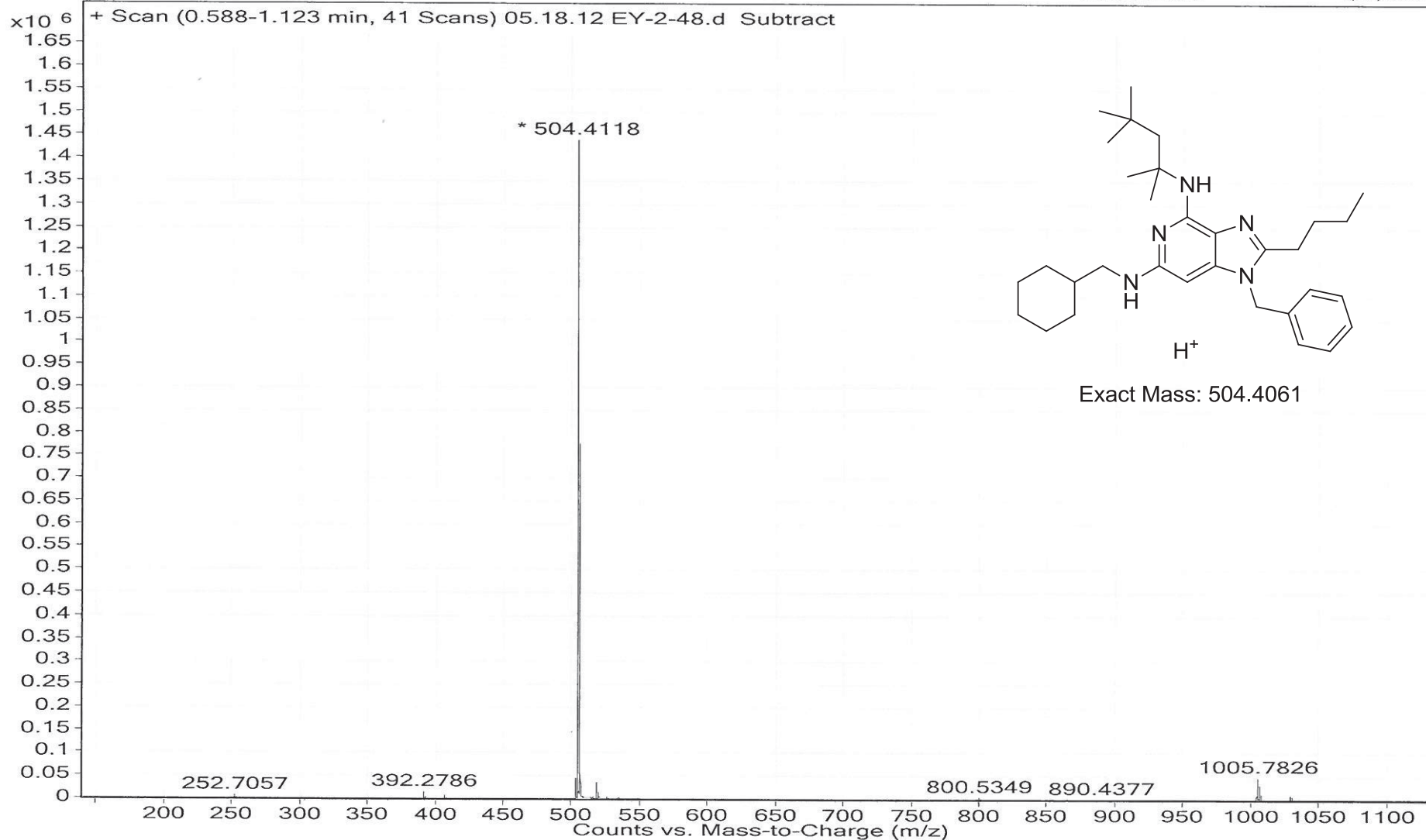


# 18d <sup>13</sup>C NMR

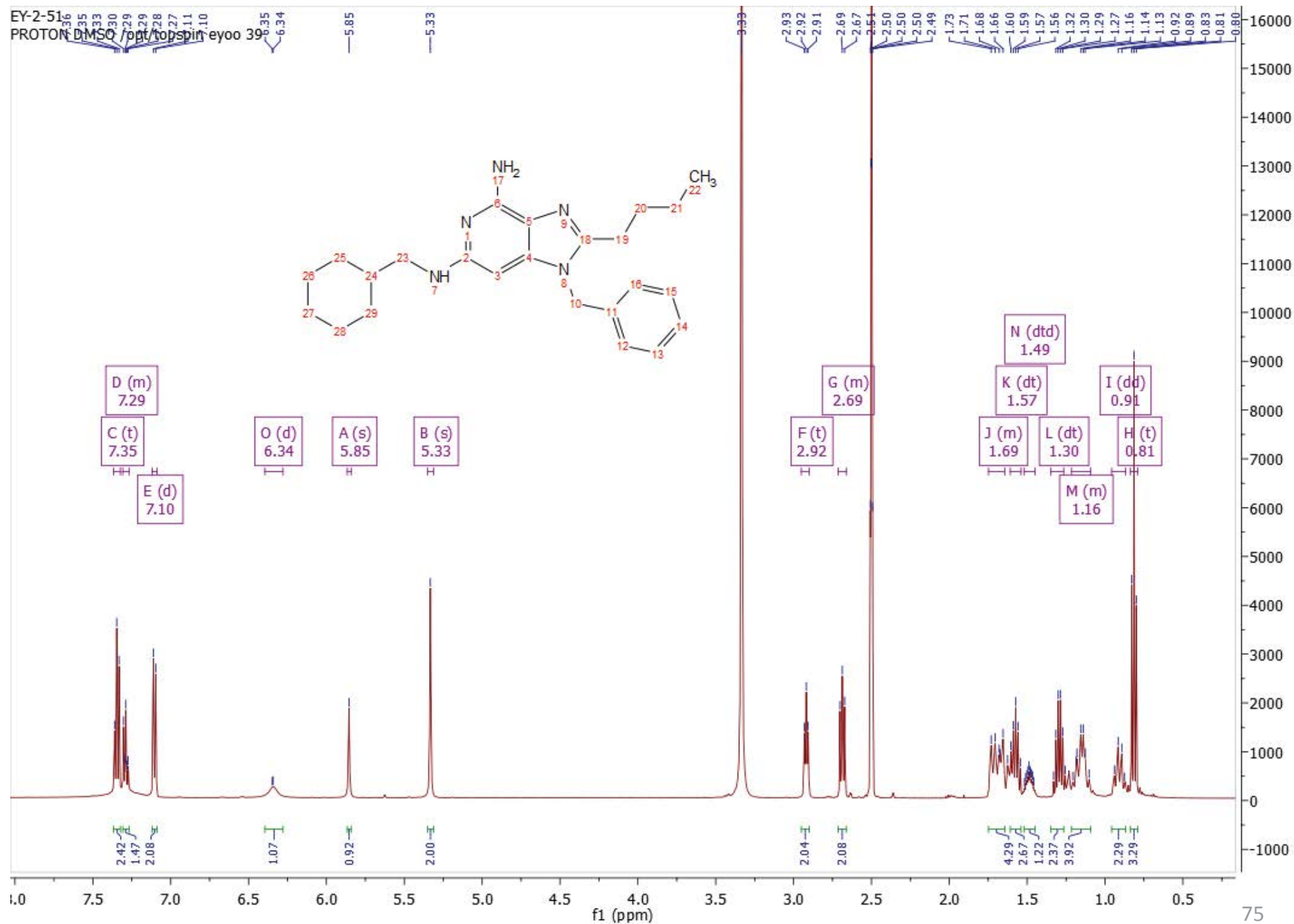


# 18d MS

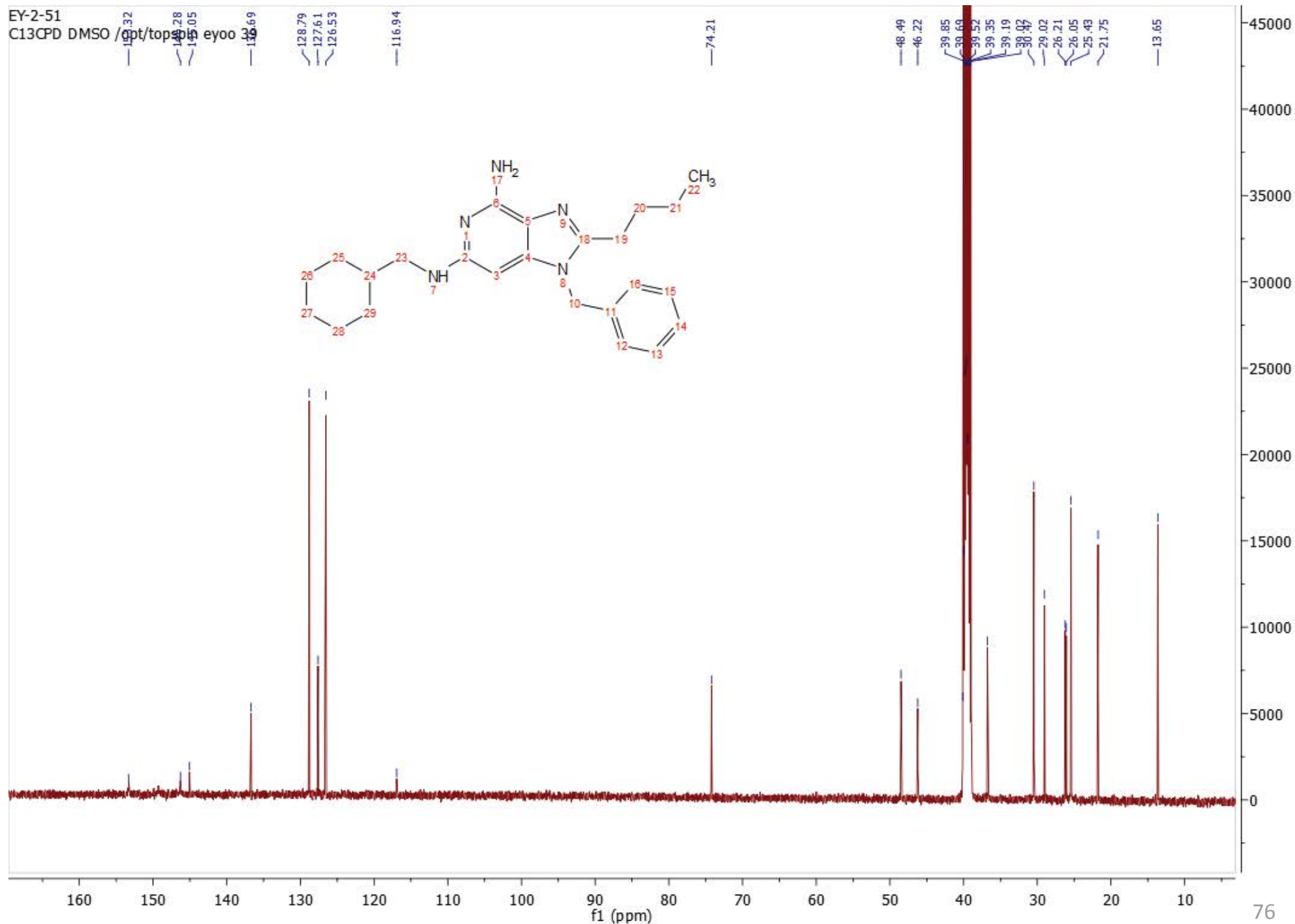
Sample Name	05.18.12 EY-2-48	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.18.12 EY-2-48.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/18/2012 4:32:48 PM



# 19d <sup>1</sup>H NMR

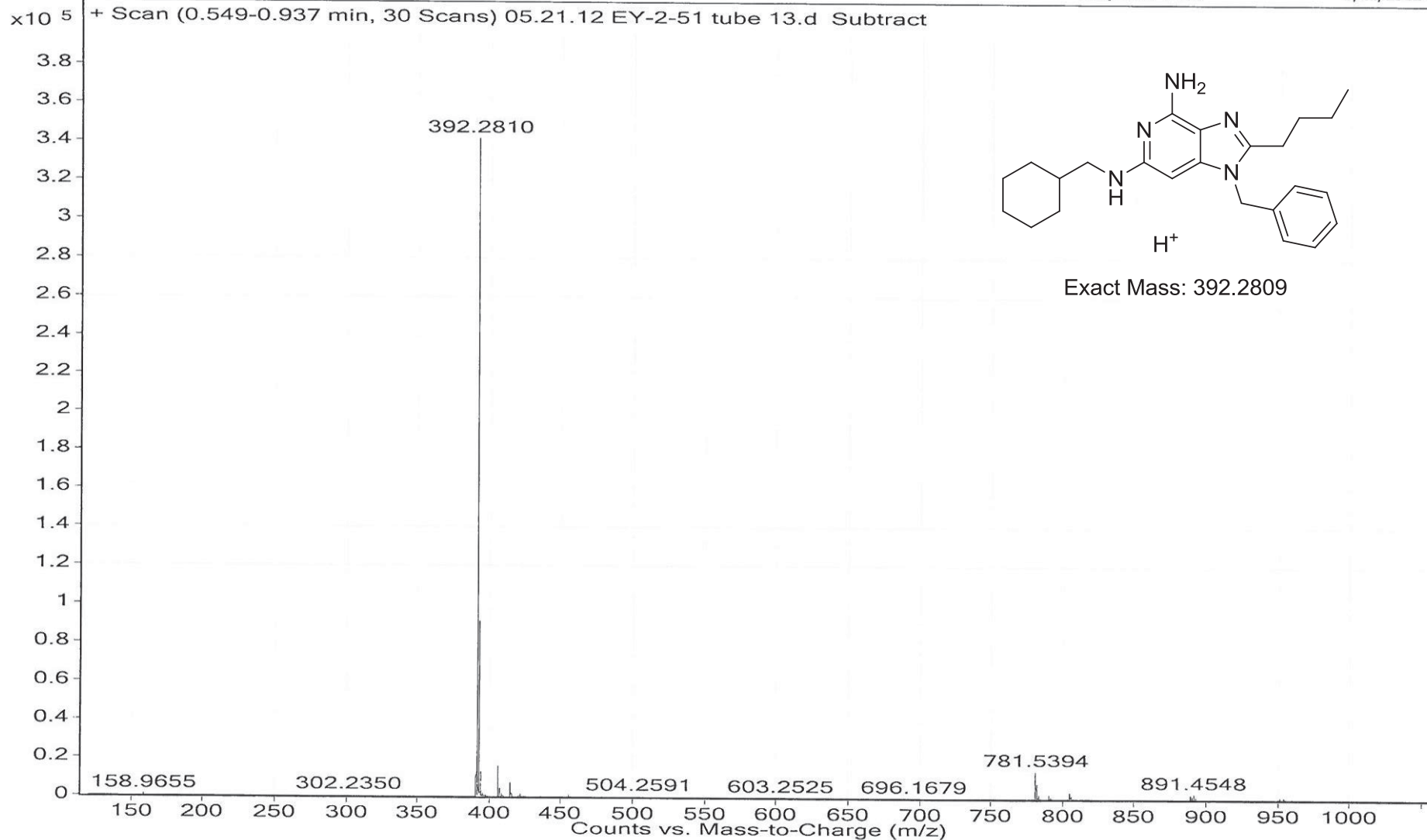


# 19d <sup>13</sup>C NMR

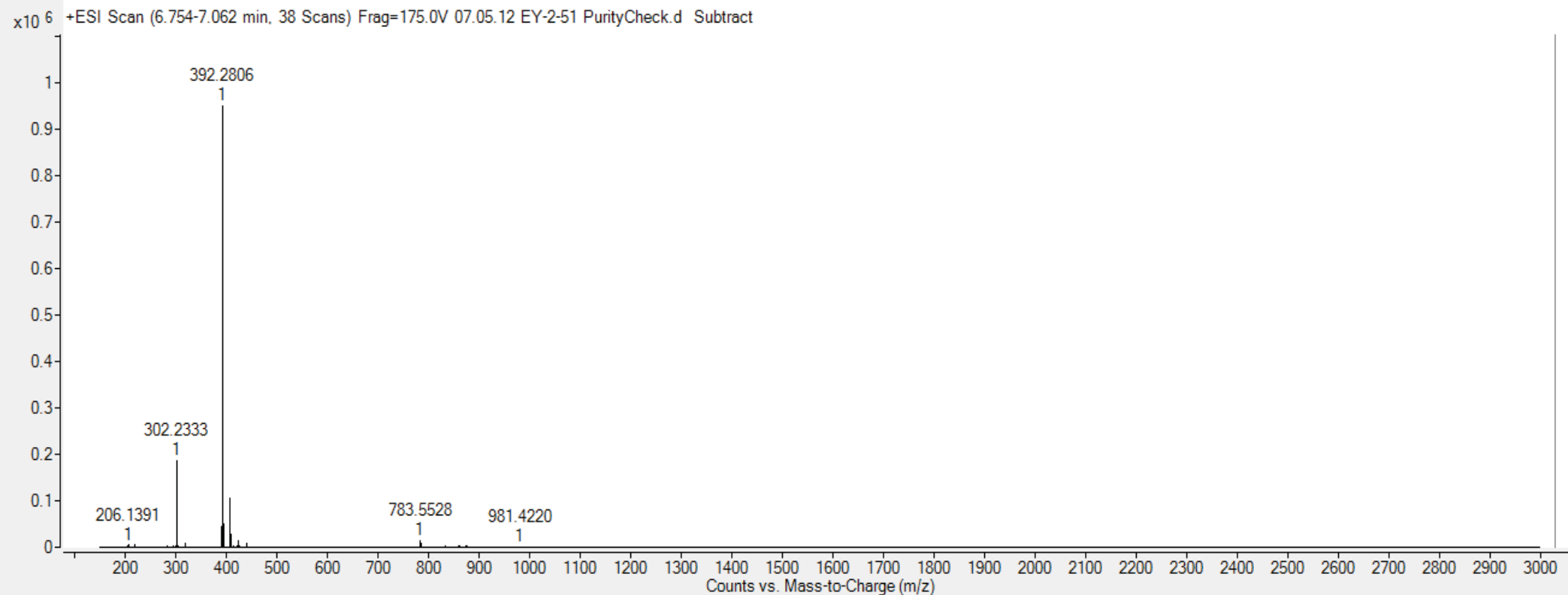
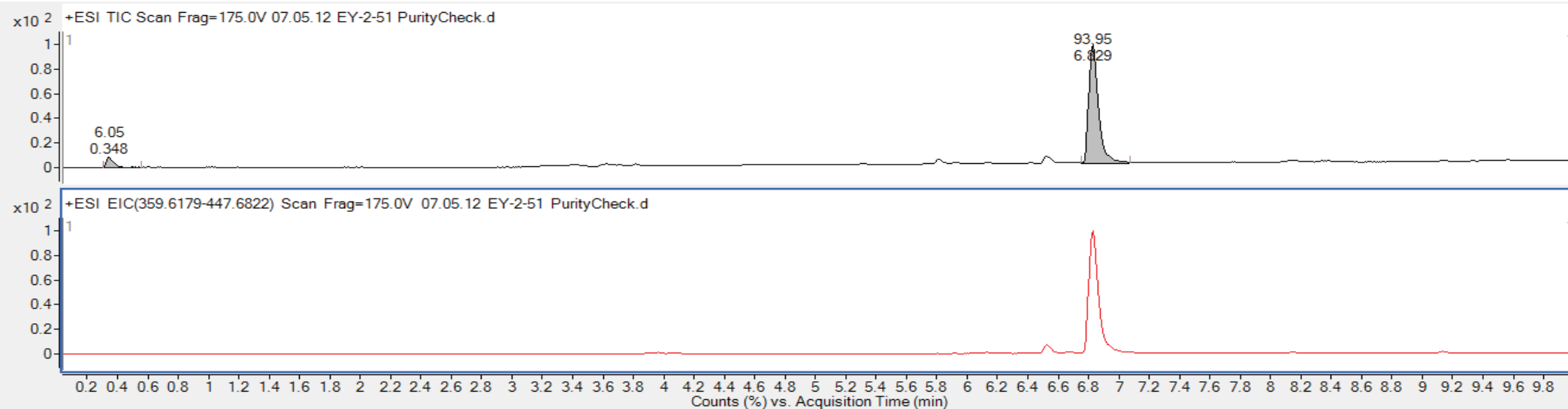


# 19d MS

Sample Name	05.21.12 EY-2-51 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.21.12 EY-2-51 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/21/2012 11:28:12 AM

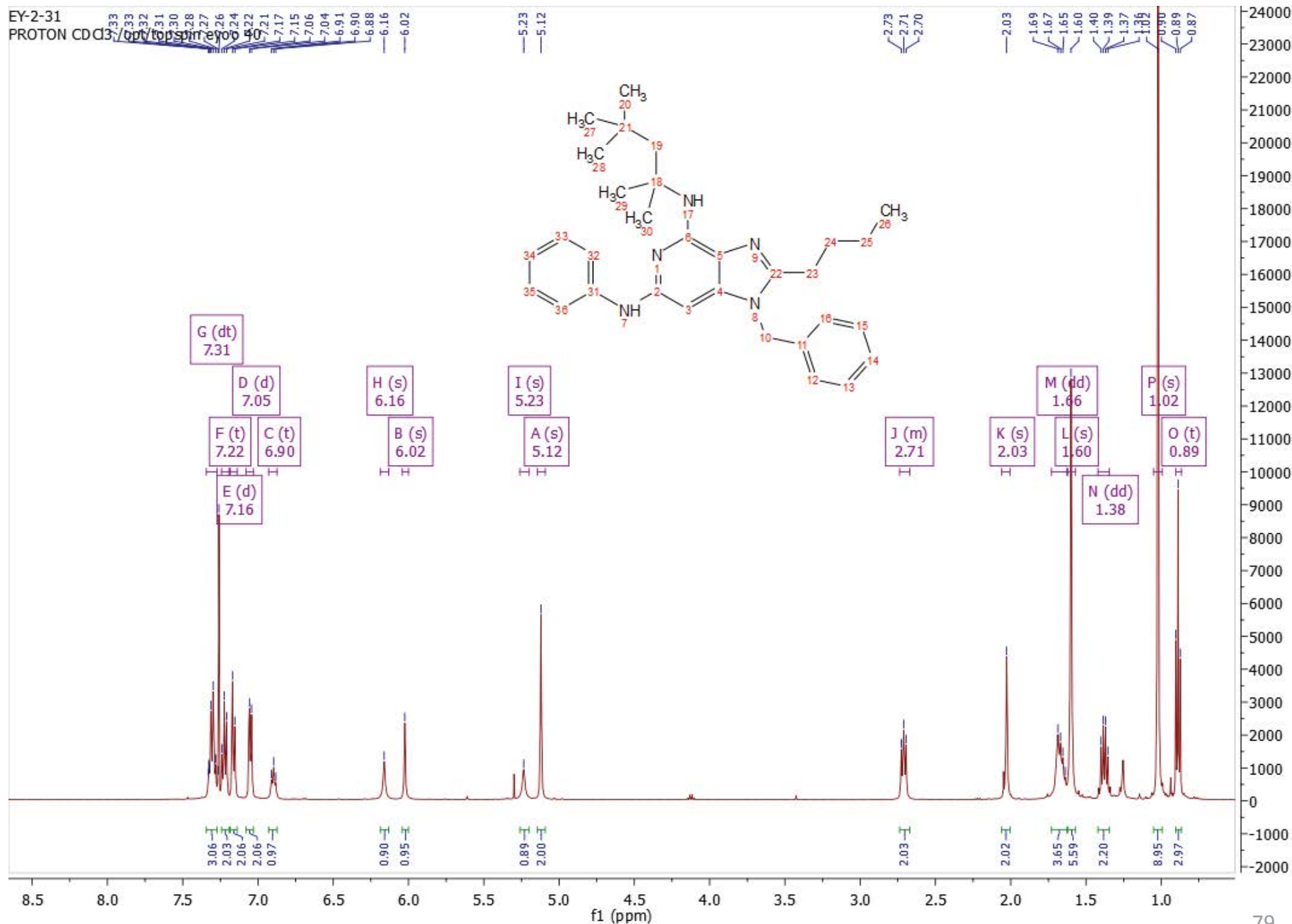


# 19d LC-MS

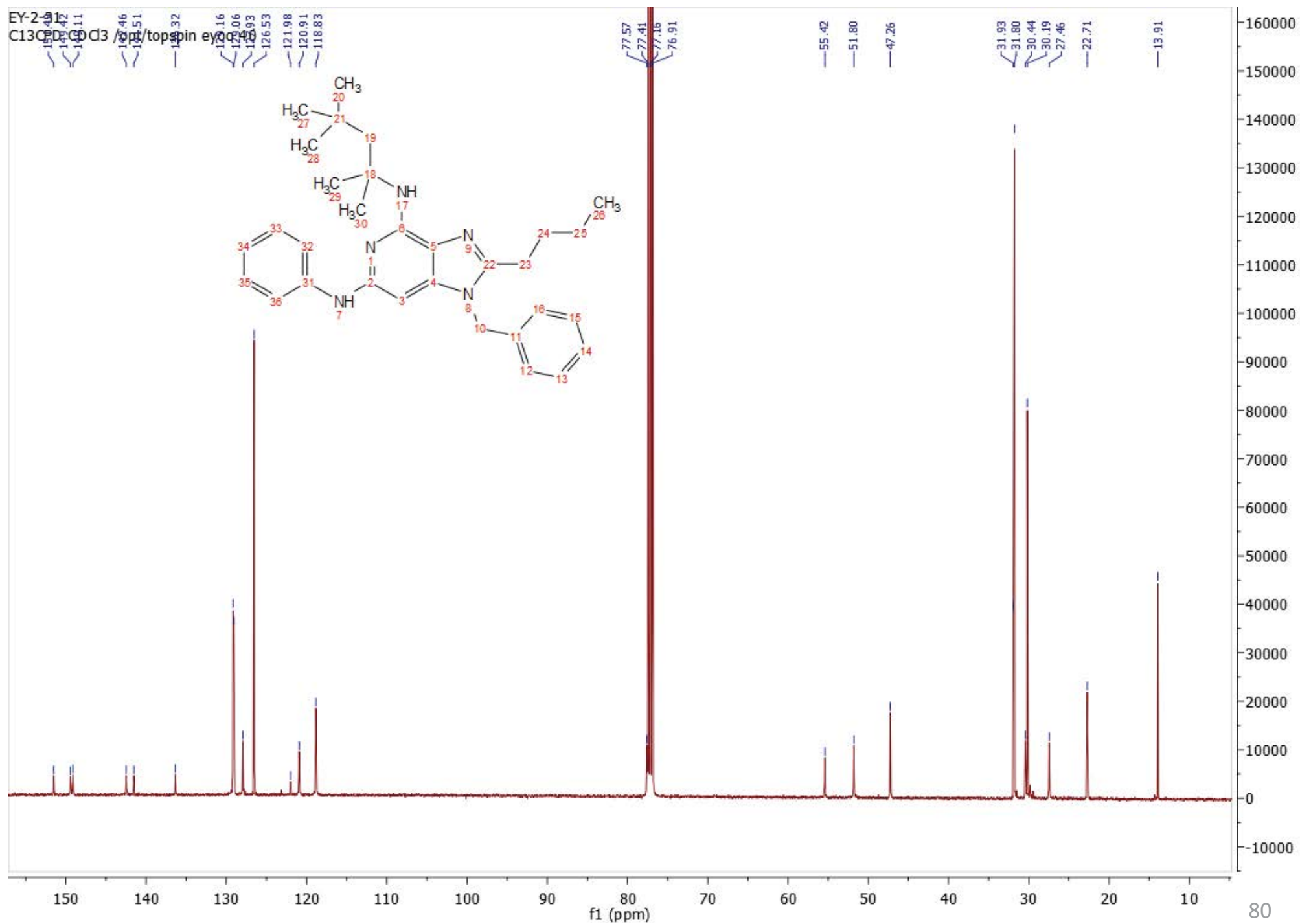




# 18e <sup>1</sup>H NMR



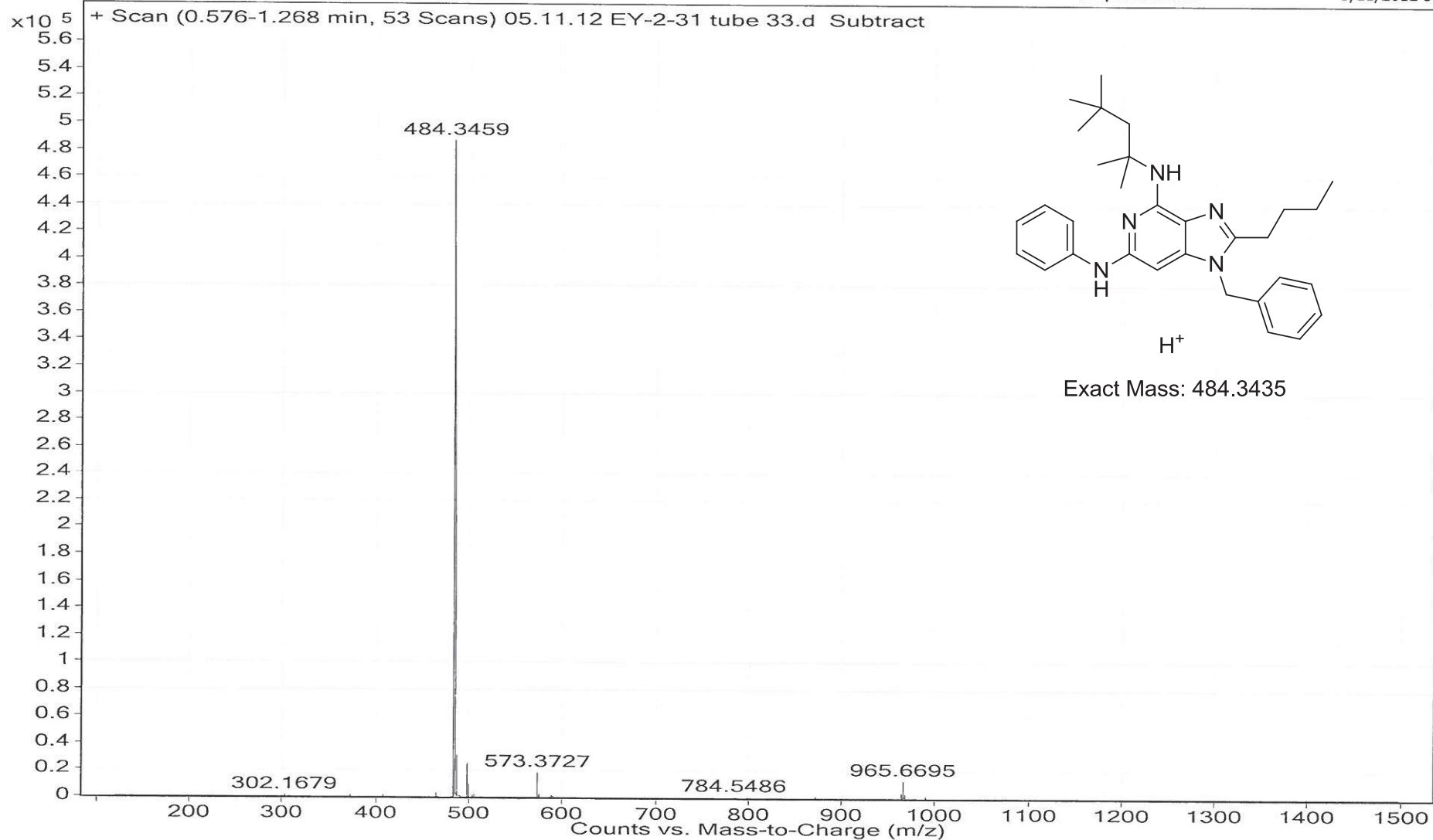
# 18e <sup>13</sup>C NMR



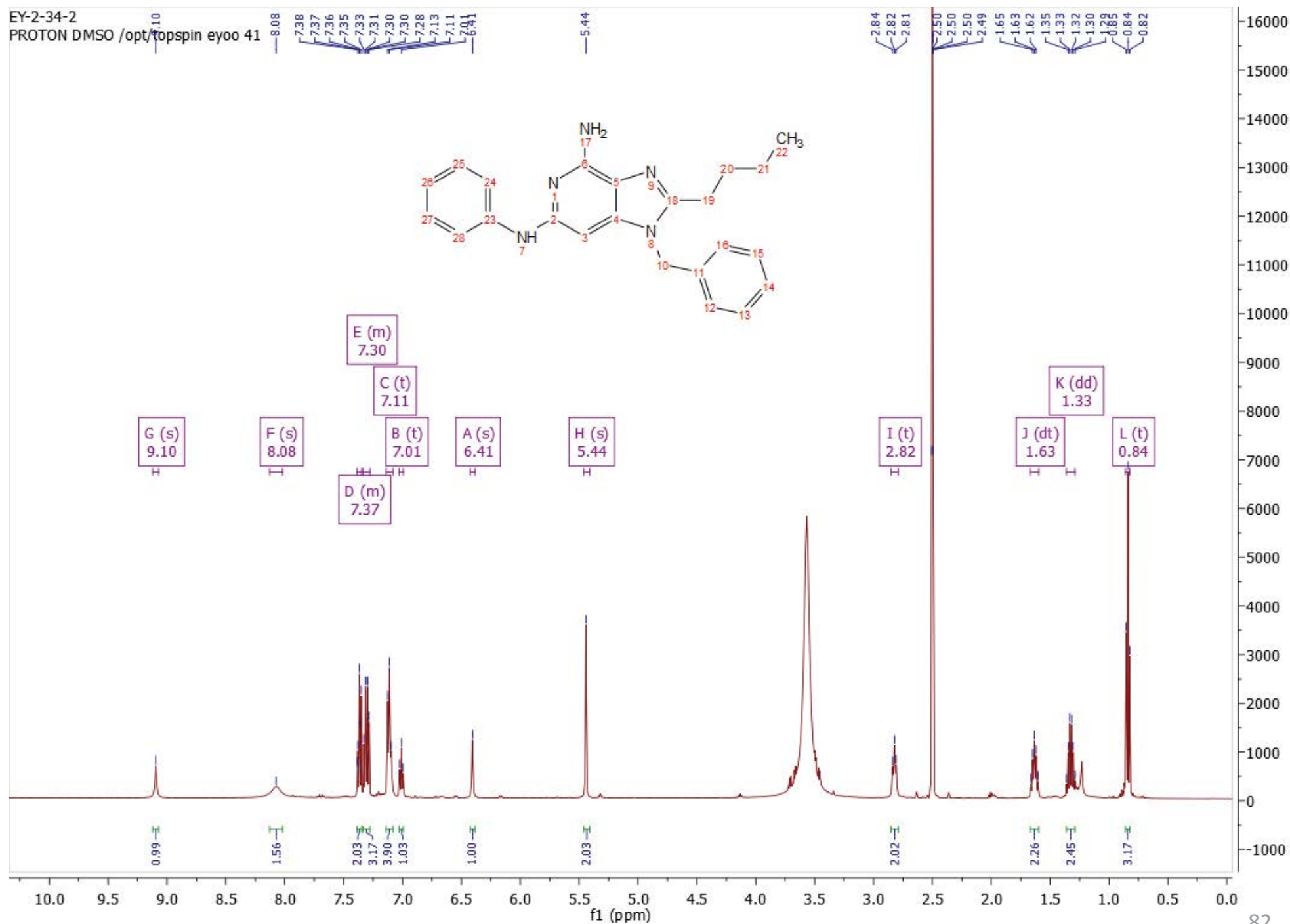


# 18e MS

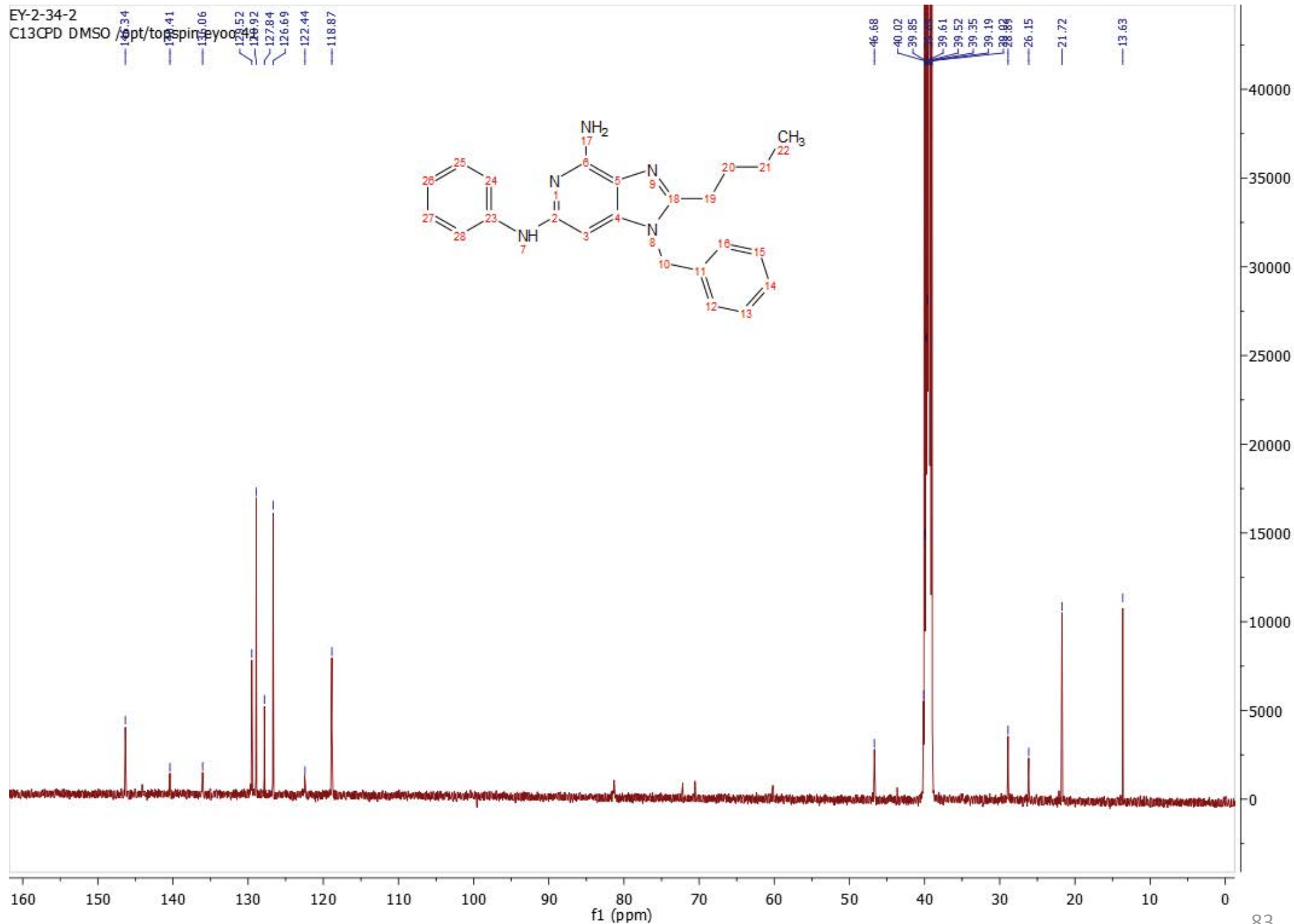
Sample Name	05.11.12 EY-2-31 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.11.12 EY-2-31 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/11/2012 5:04:53 PM



# 19e <sup>1</sup>H NMR

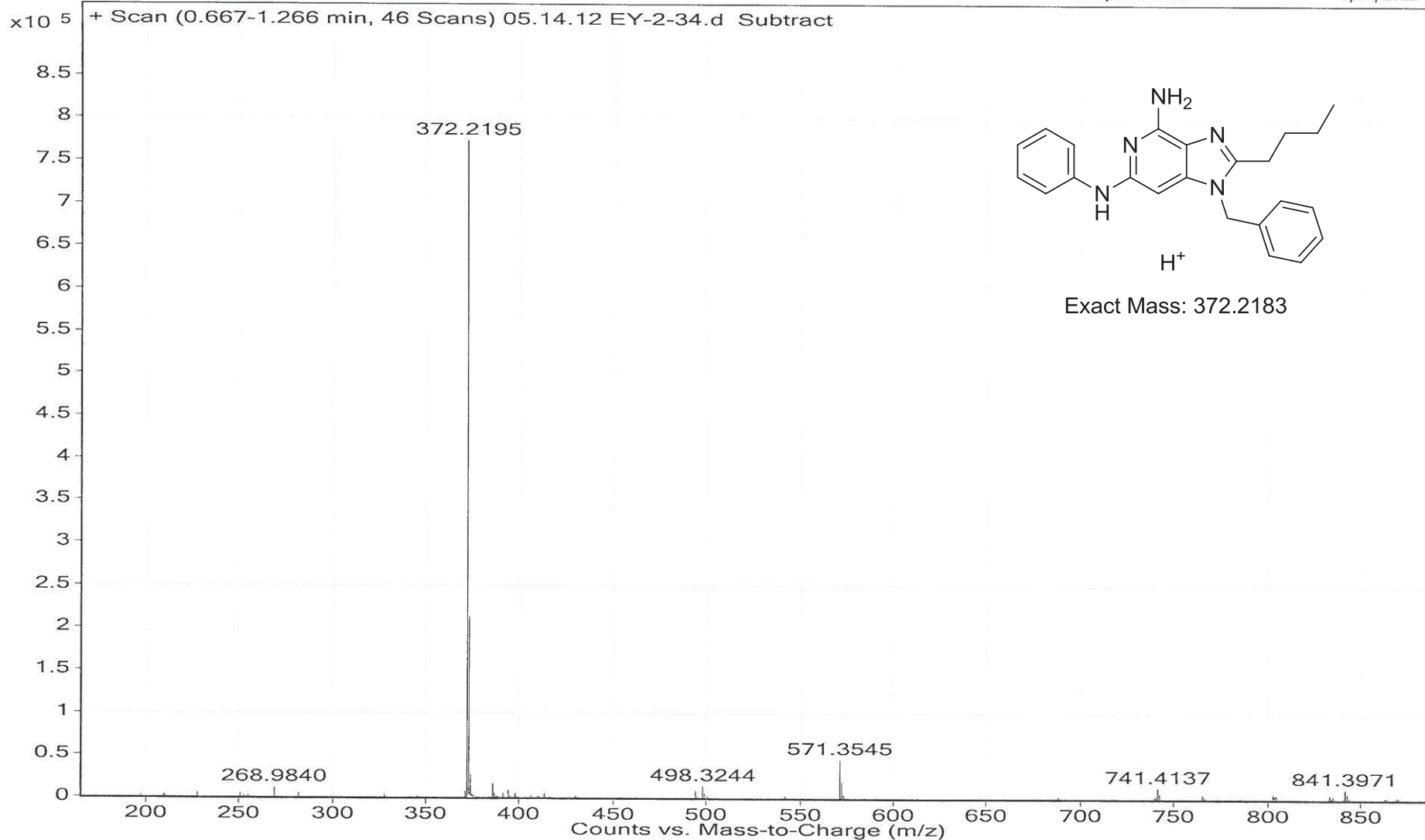


# 19e <sup>13</sup>C NMR

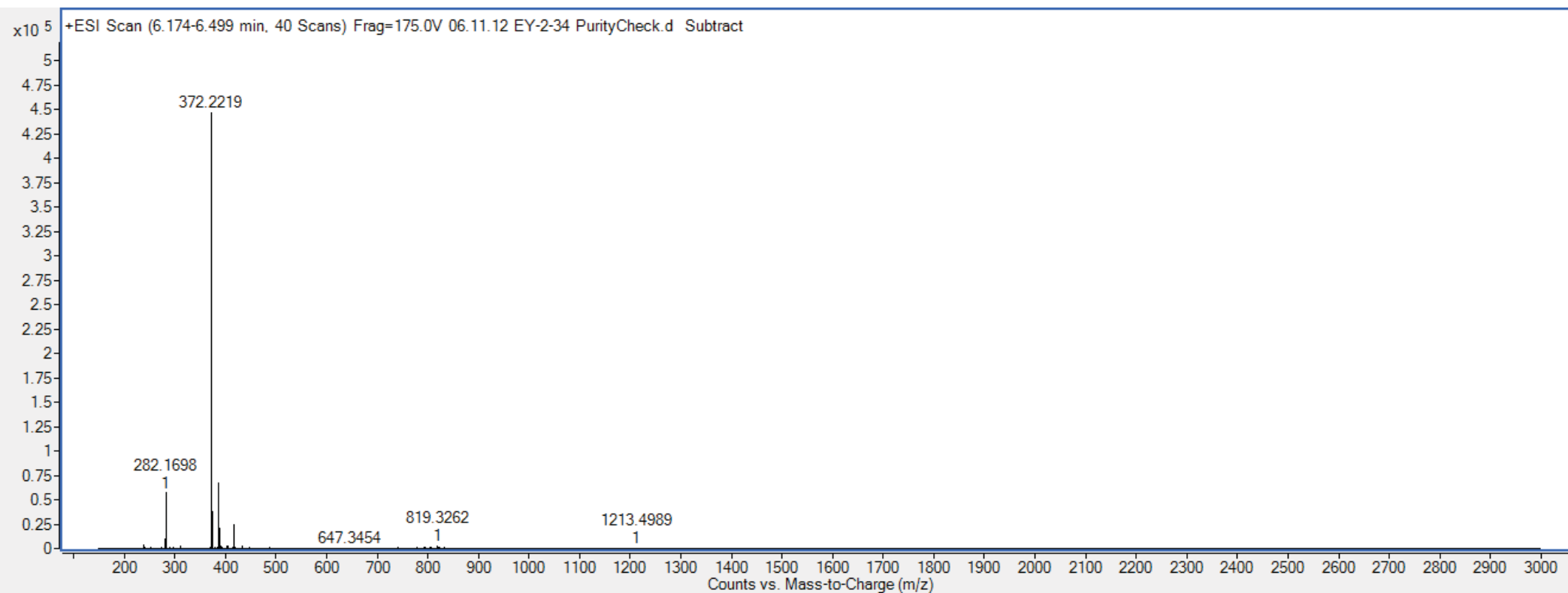
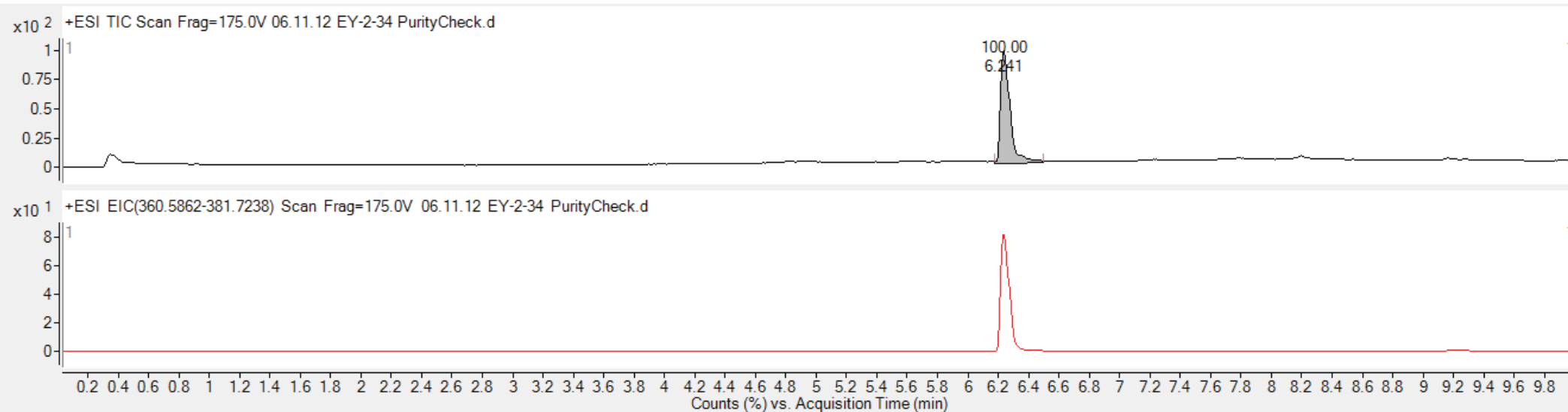


# 19e MS

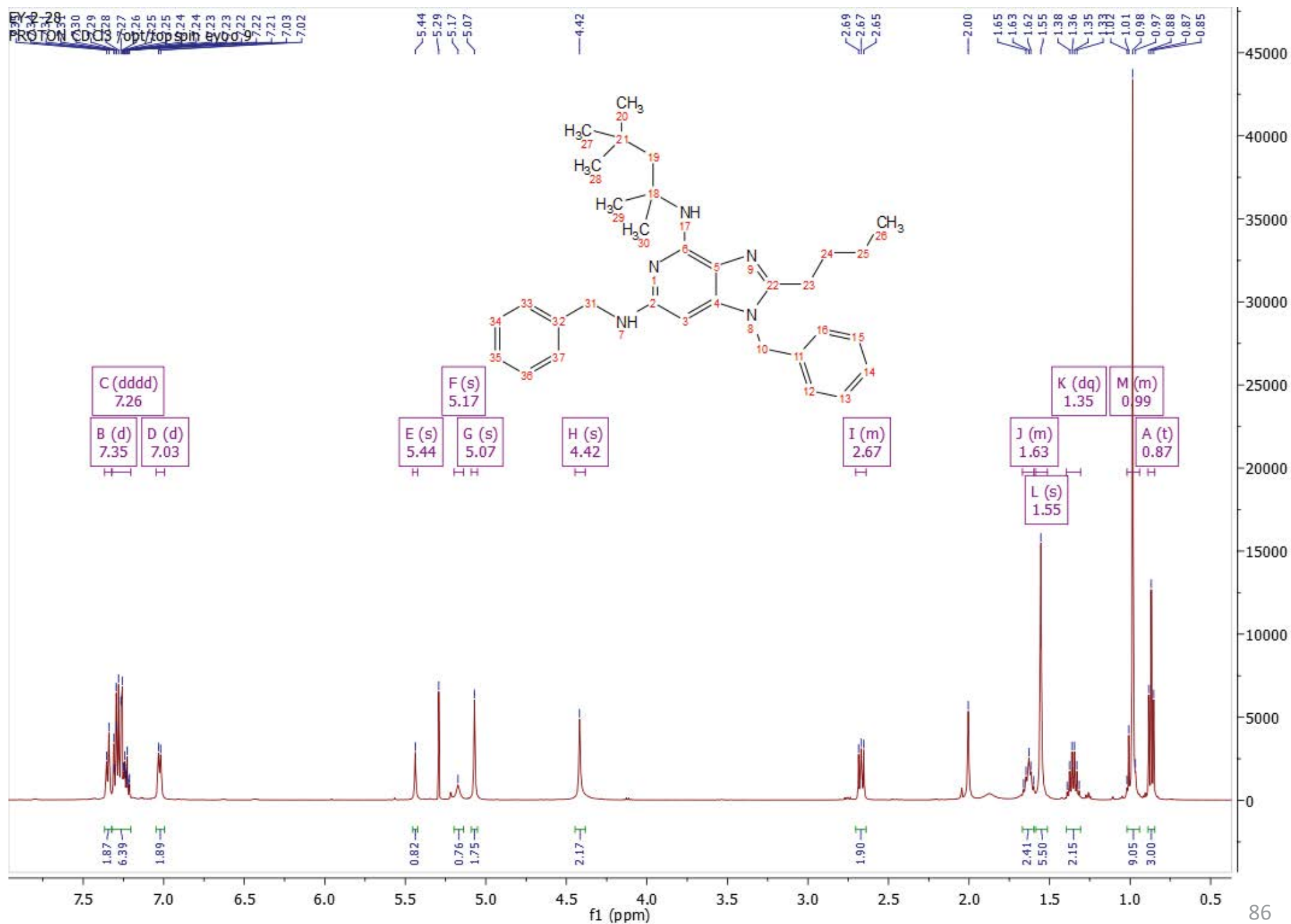
Sample Name	05.14.12 EY-2-34	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.14.12 EY-2-34.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/14/2012 10:56:32 AM



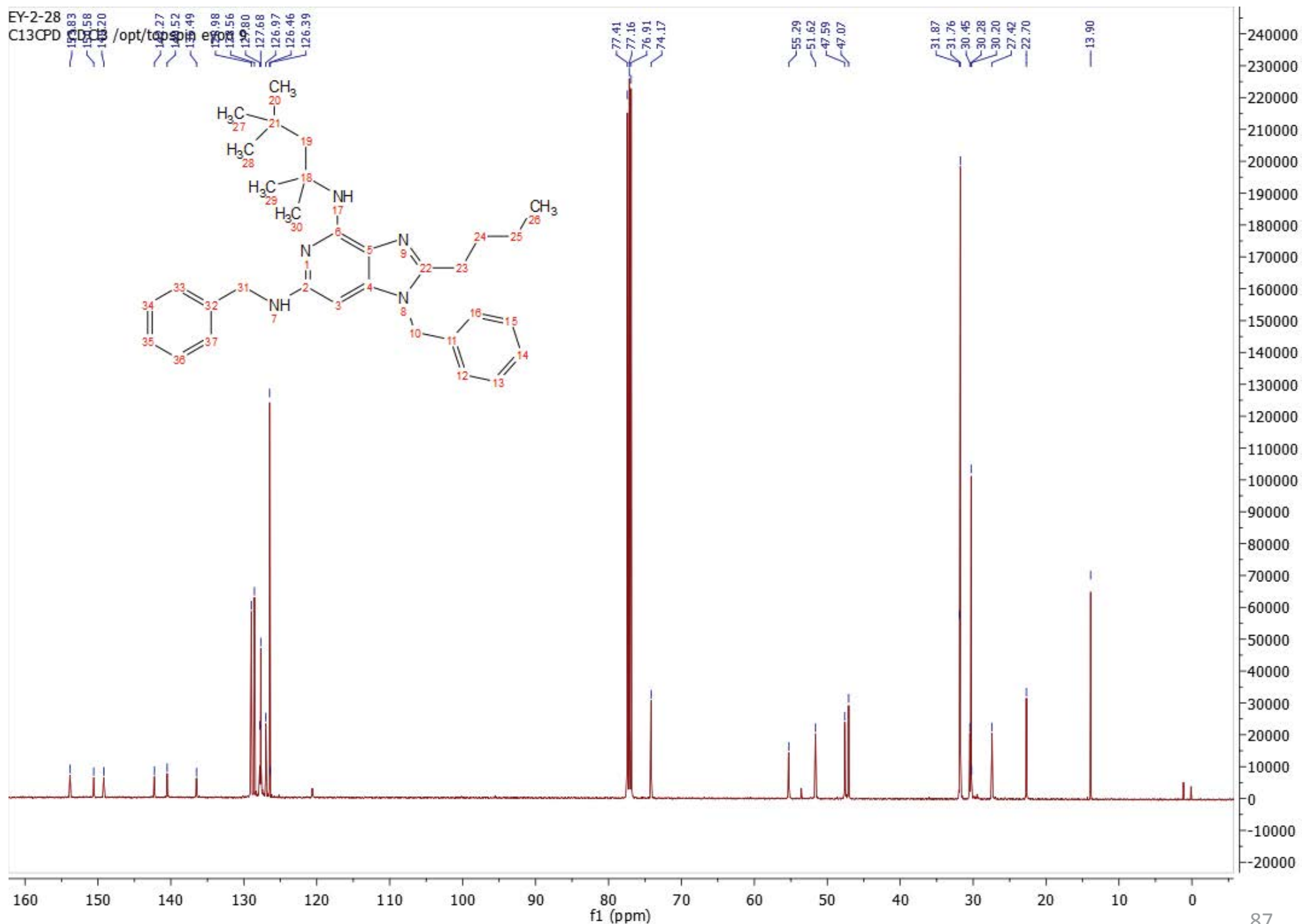
# 19e LC-MS



# 18f <sup>1</sup>H NMR



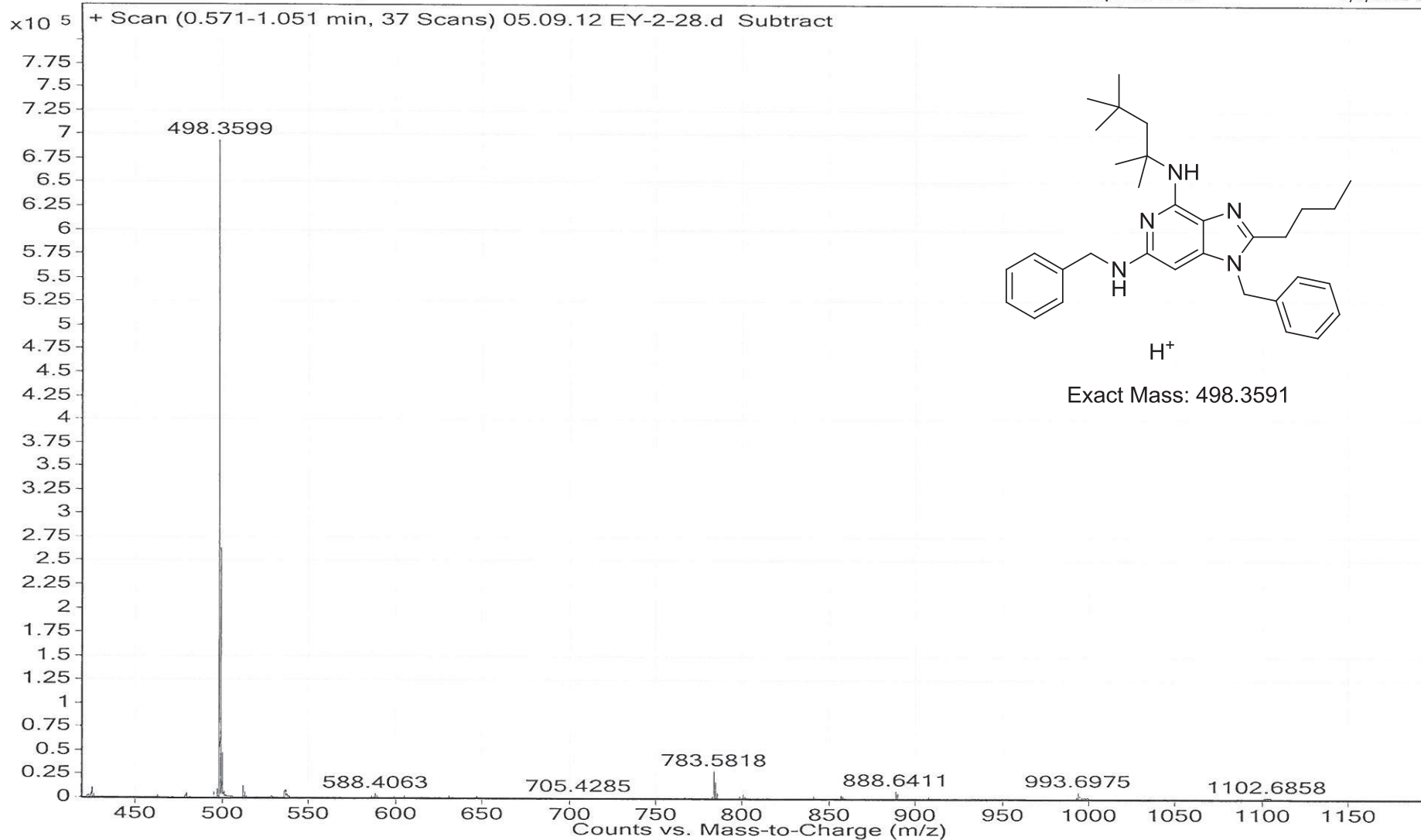
# **18f** <sup>13</sup>C NMR





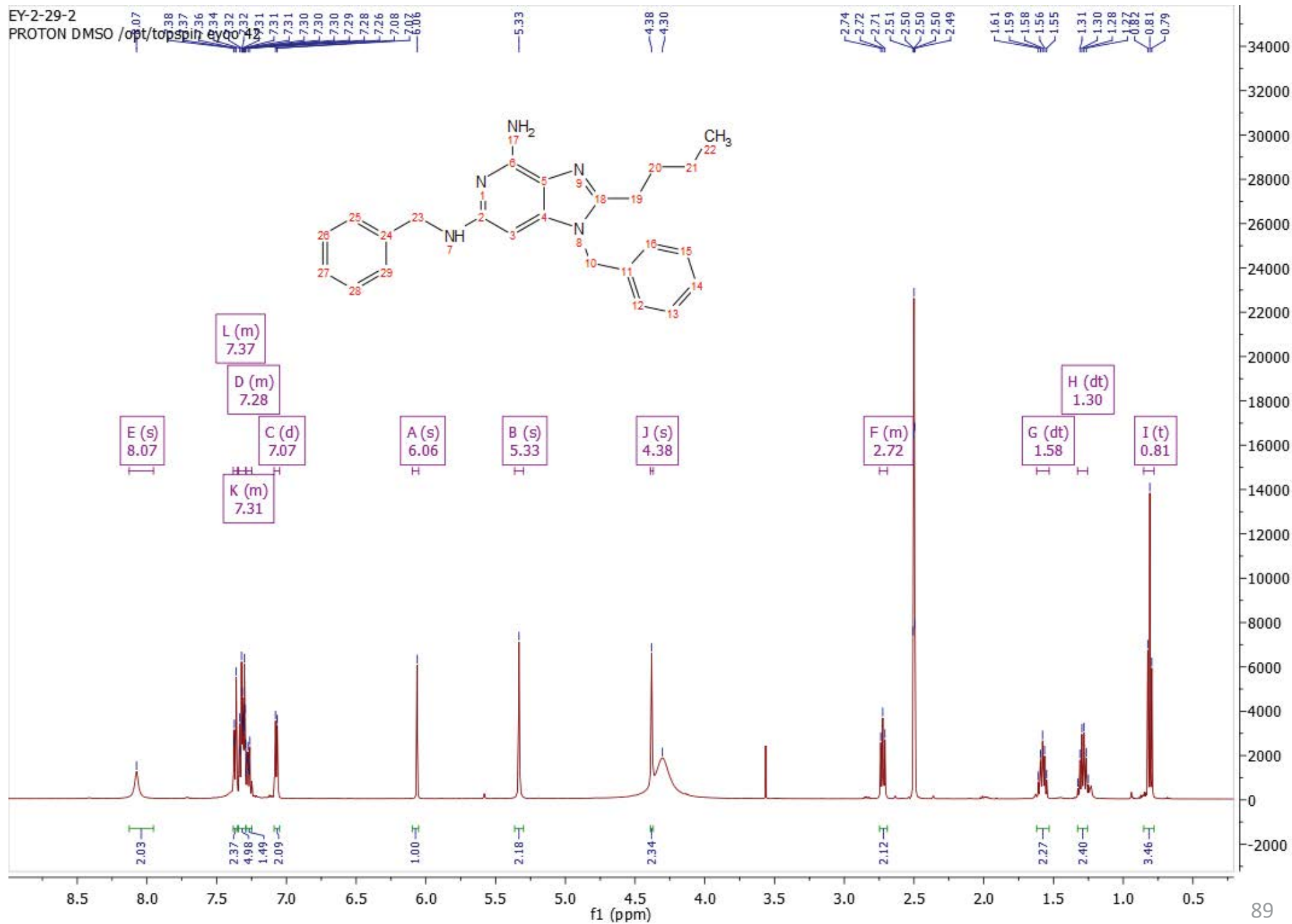
# 18f MS

Sample Name	05.09.12 EY-2-28	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.09.12 EY-2-28.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/9/2012 11:40:07 AM

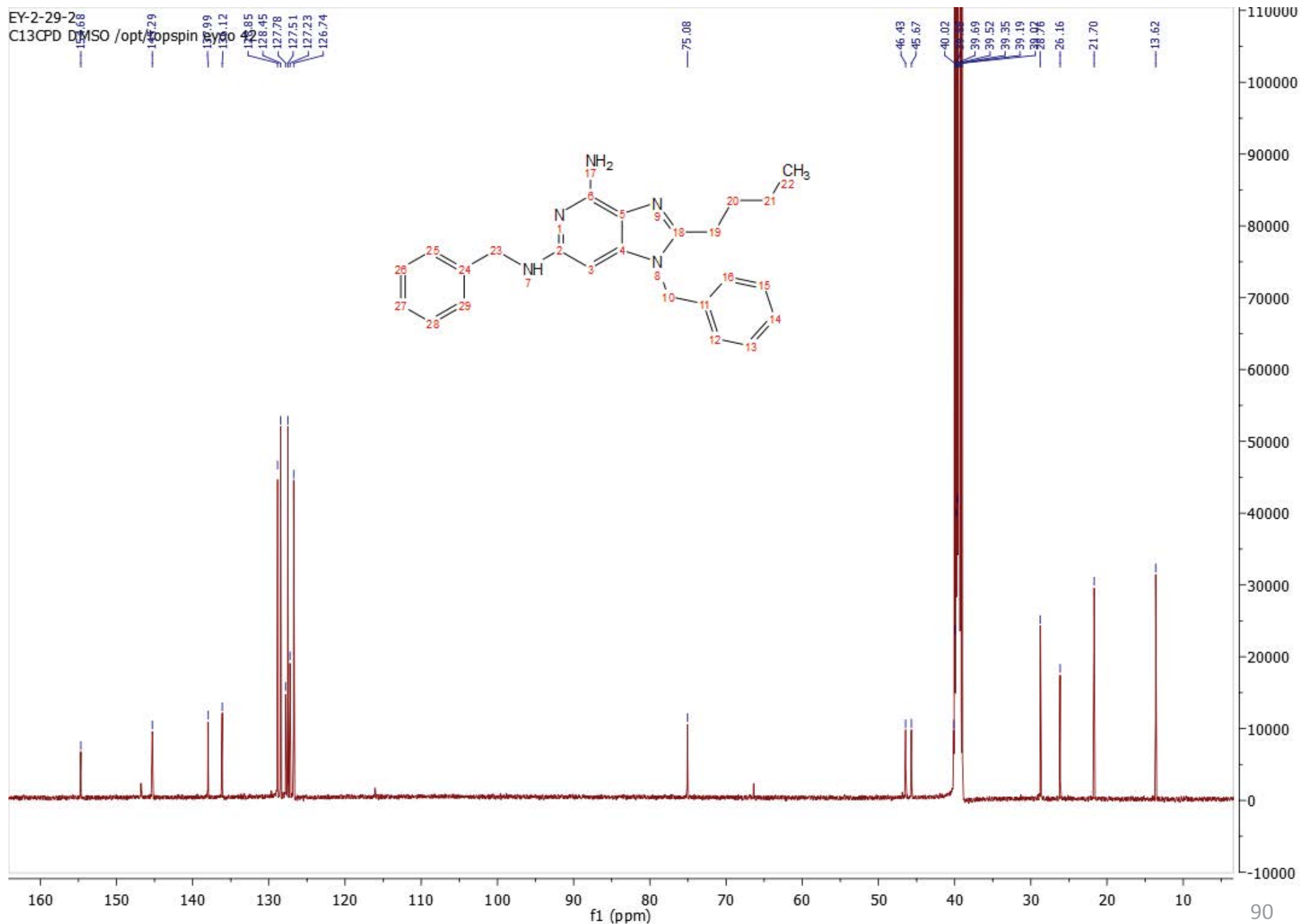




# 19f <sup>1</sup>H NMR

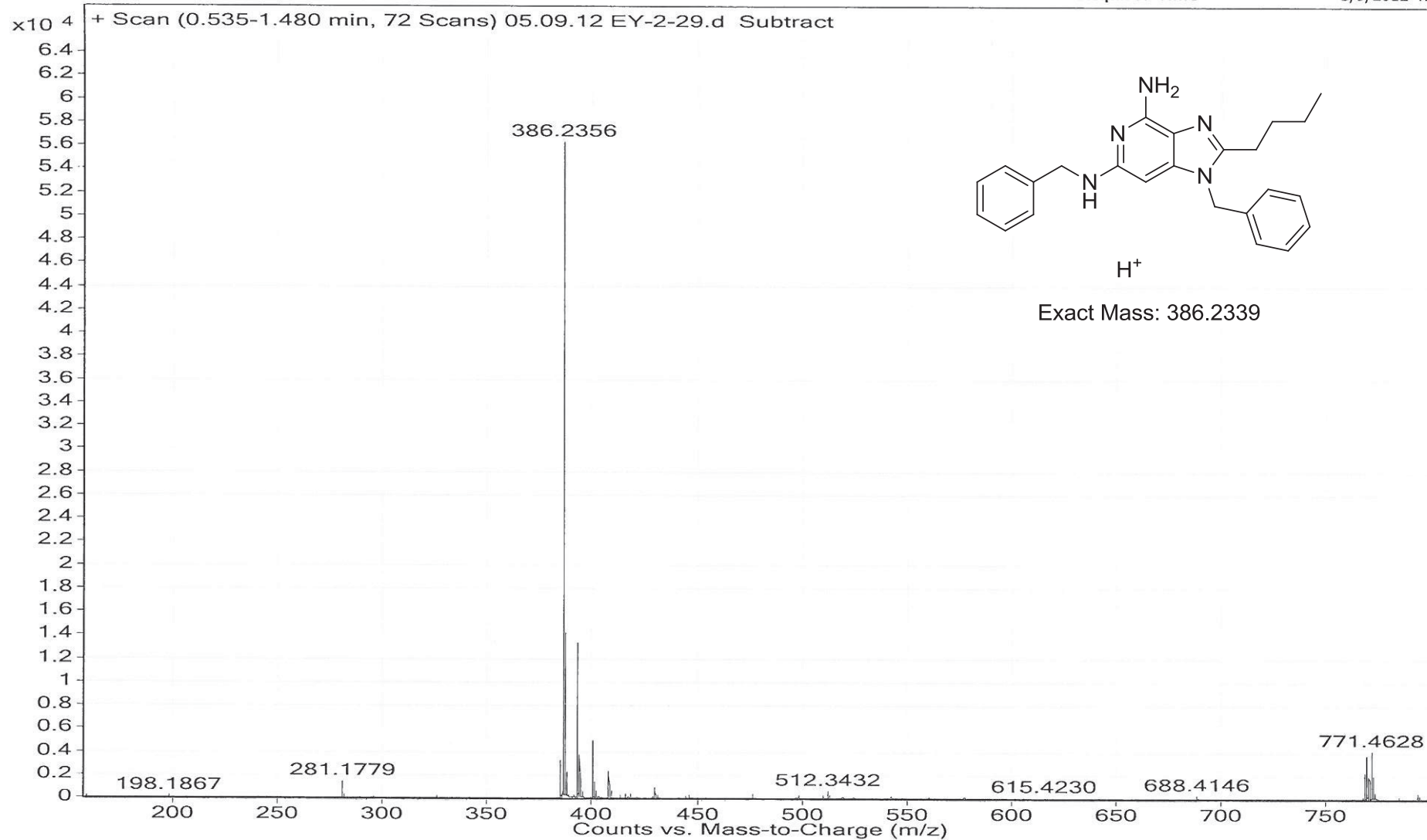


# 19f <sup>13</sup>C NMR

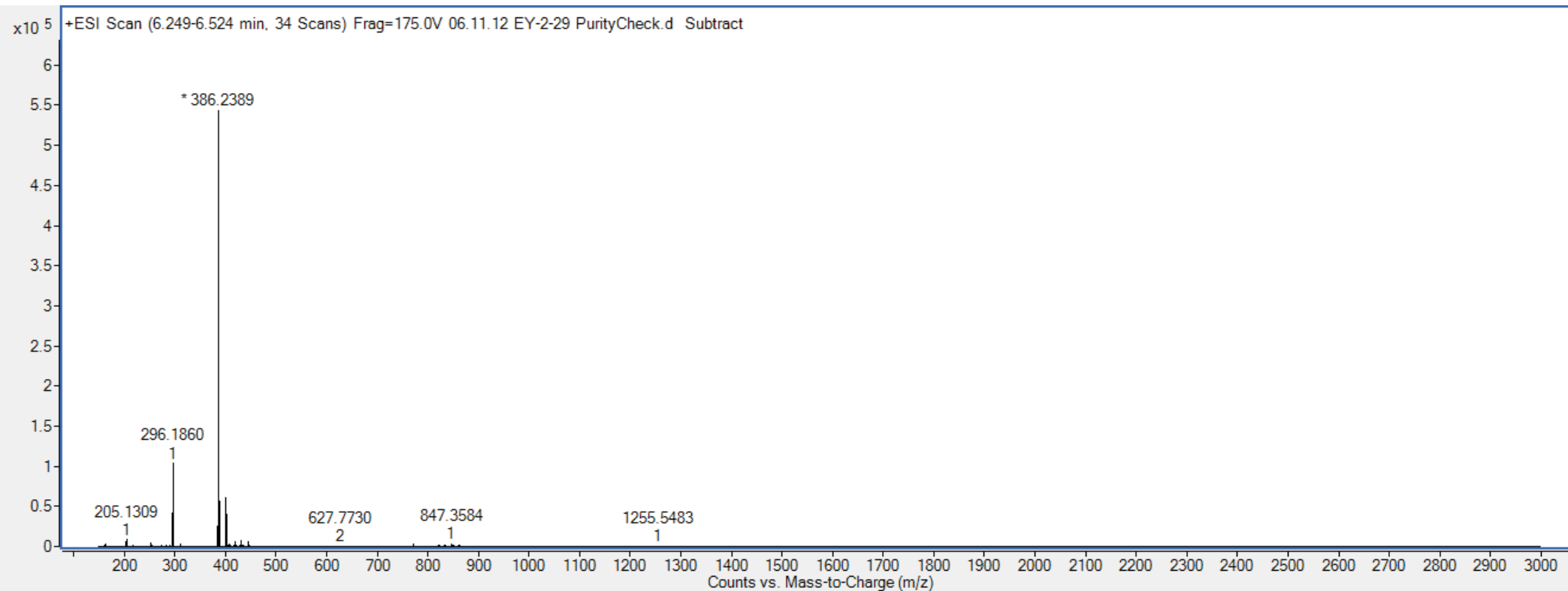
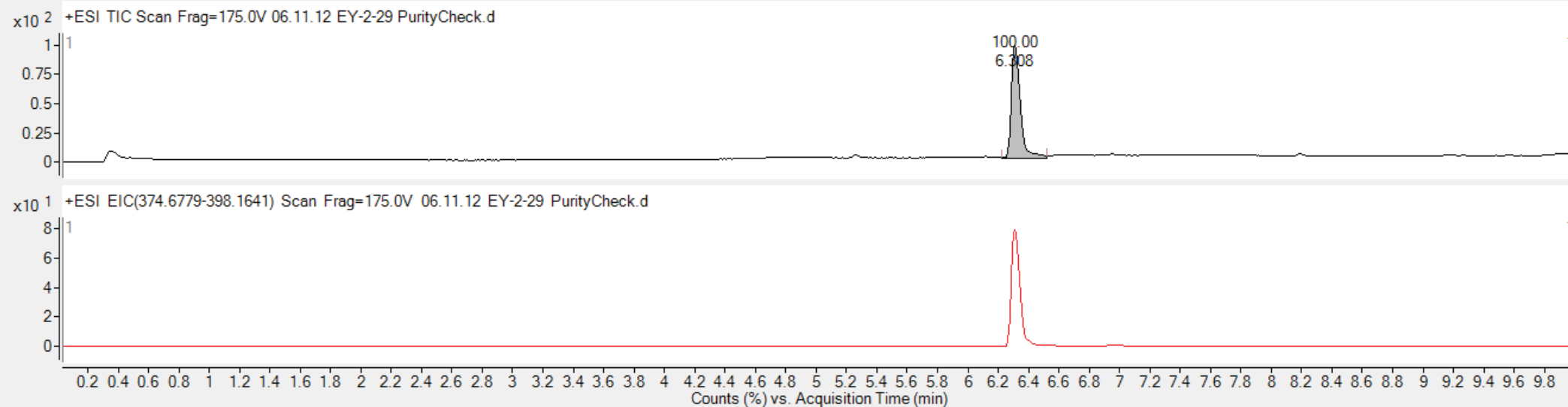


# 19f MS

Sample Name	05.09.12 EY-2-29	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.09.12 EY-2-29.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/9/2012 4:13:05 PM

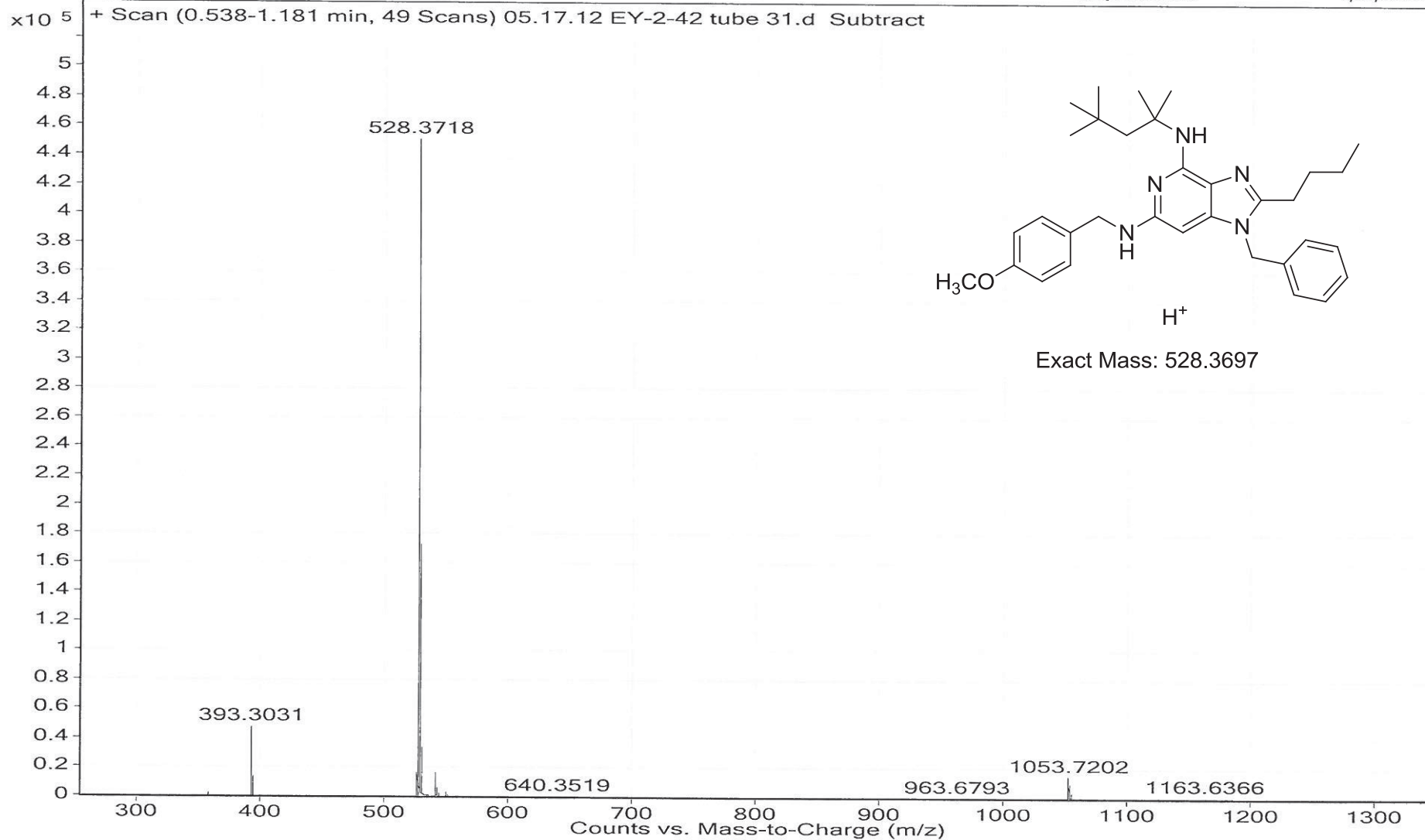


# 19f LC-MS

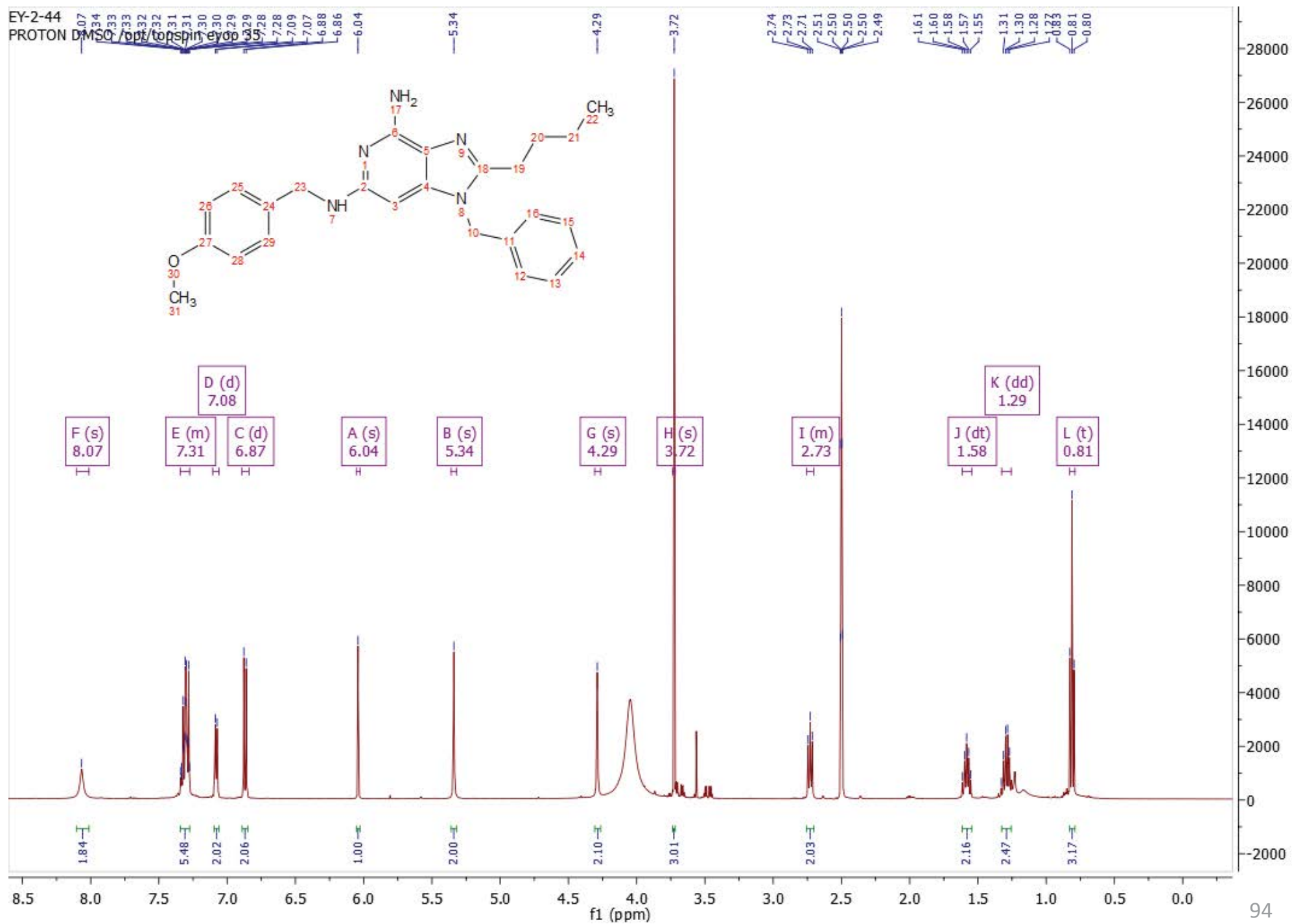


# 18g MS

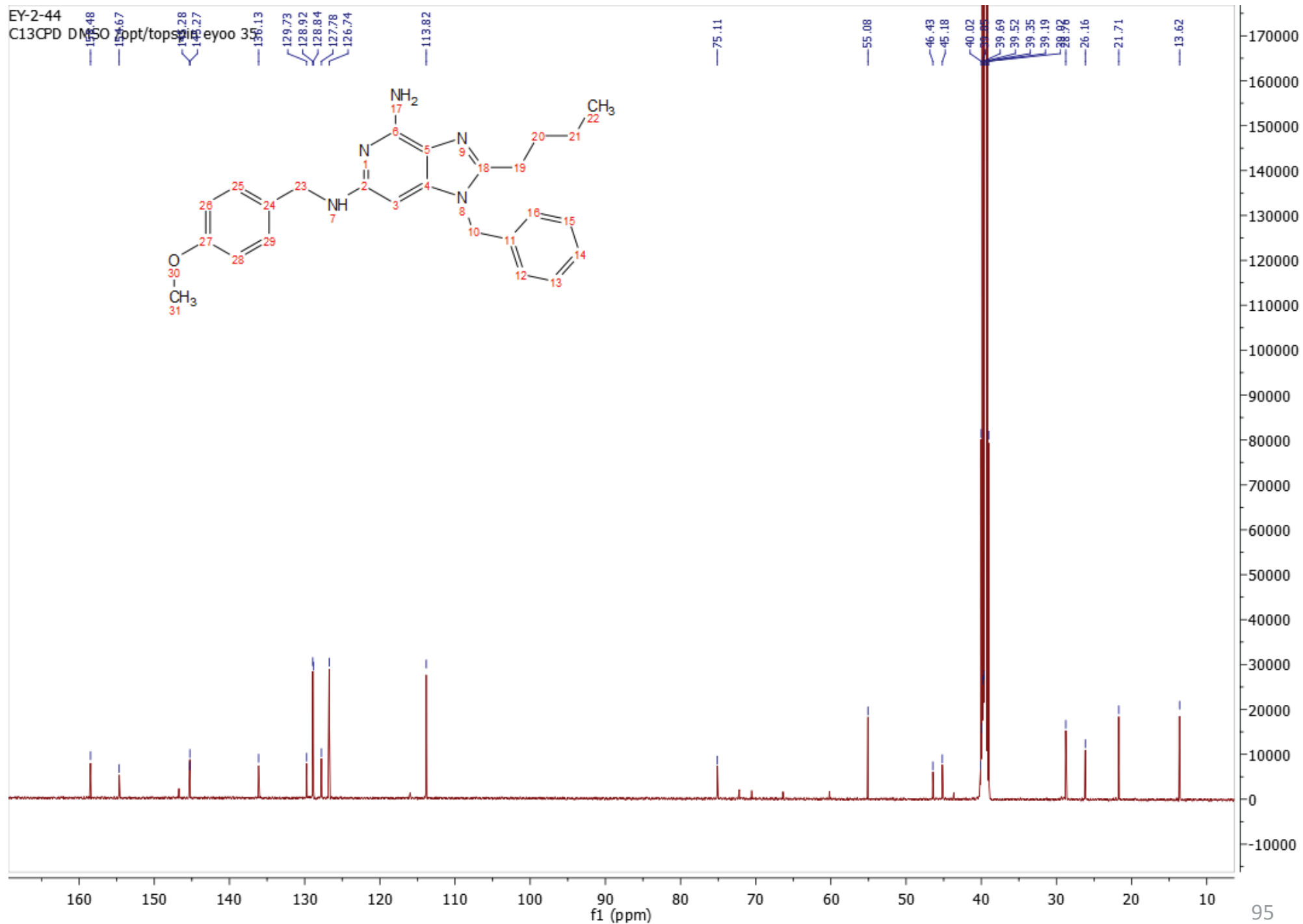
<b>Sample Name</b>	05.17.12 EY-2-42 tub	<b>Position</b>	Vial 1	<b>Instrument Name</b>	Instrument 1	<b>User Name</b>	
<b>Inj Vol</b>	-1	<b>InjPosition</b>		<b>SampleType</b>	Sample	<b>IRM Calibration Status</b>	Success
<b>Data Filename</b>	05.17.12 EY-2-42 tub	<b>ACQ Method</b>	Water-ACN Infusion M	<b>Comment</b>		<b>Acquired Time</b>	5/17/2012 3:21:31 PM



# 19g <sup>1</sup>H NMR



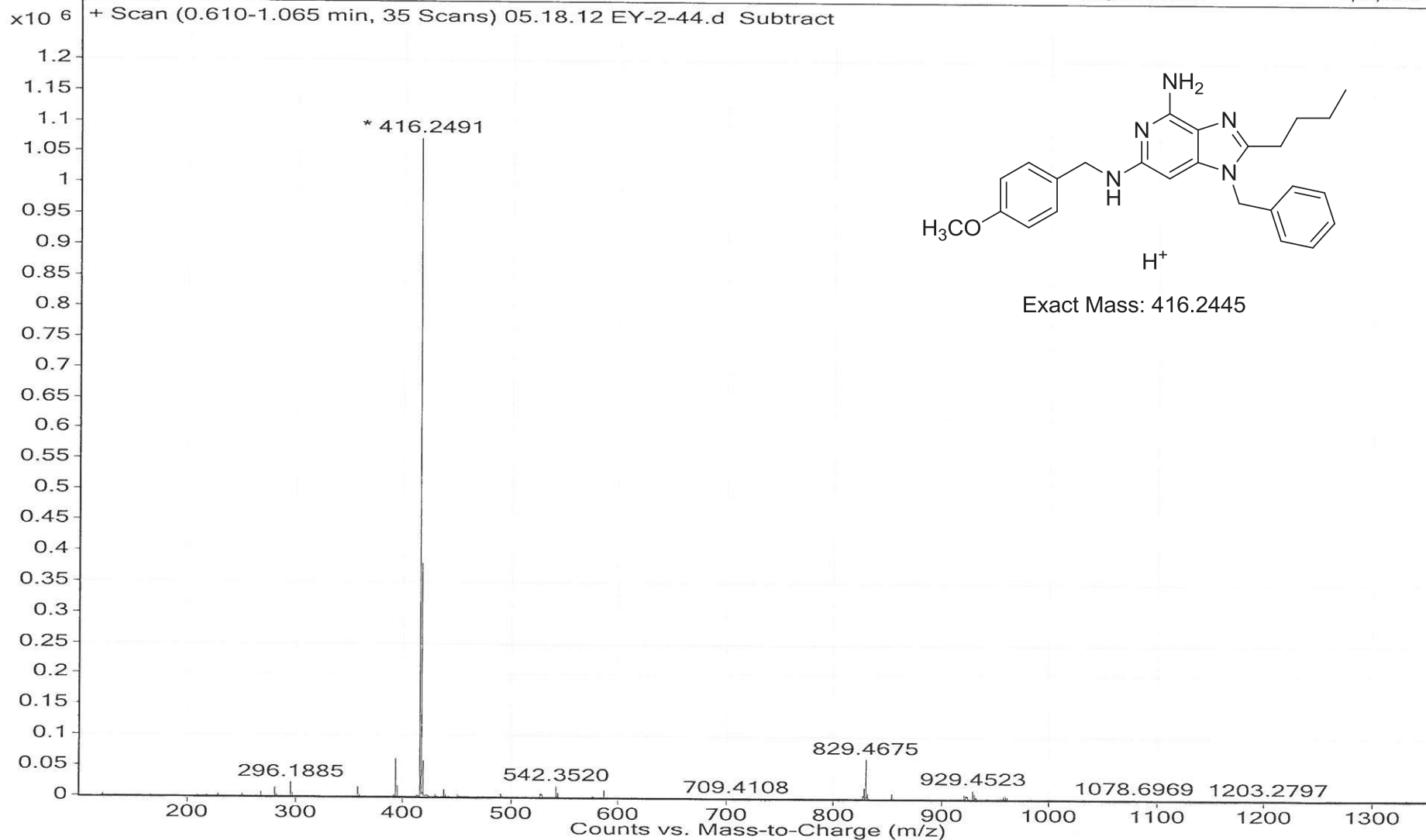
# 19g <sup>13</sup>C NMR





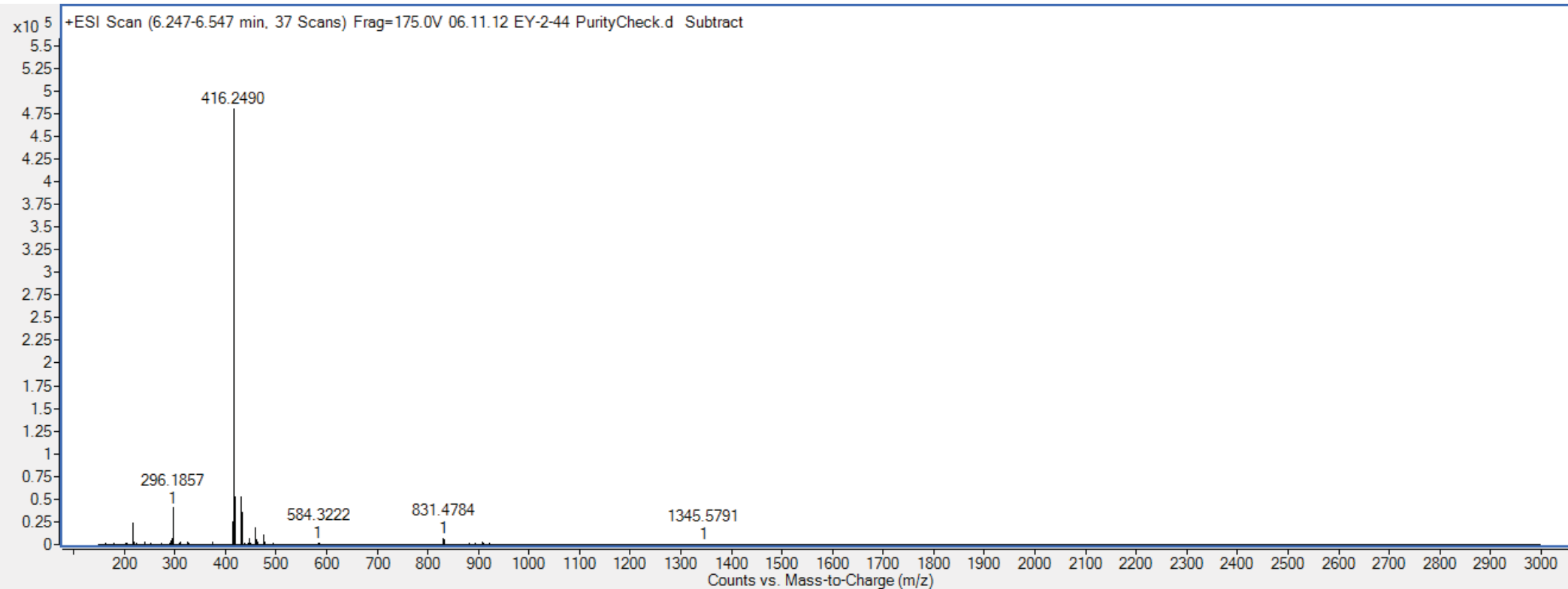
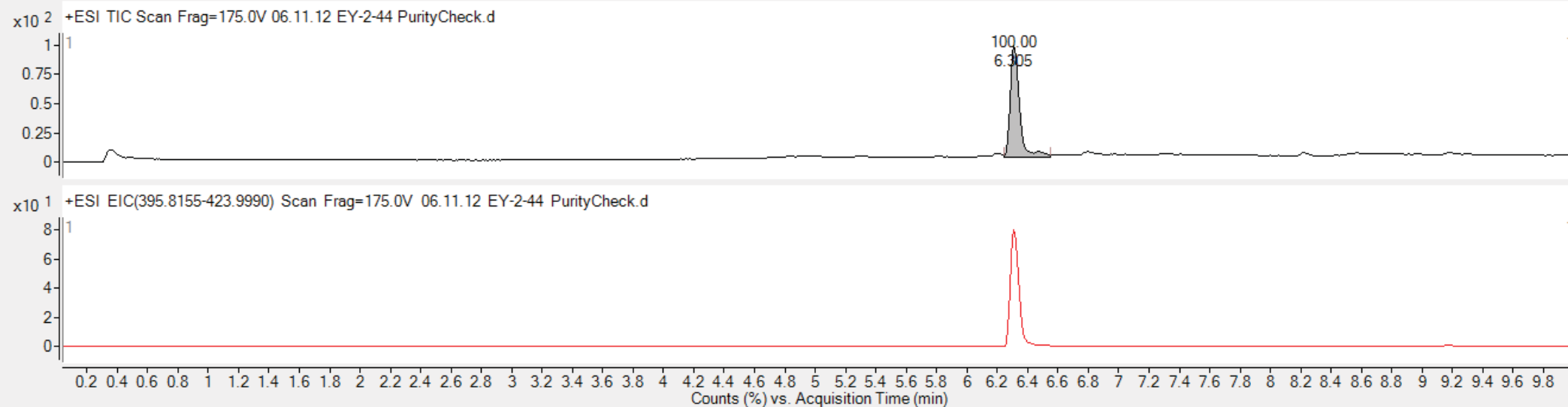
# 19g MS

Sample Name	05.18.12 EY-2-44	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.18.12 EY-2-44.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/18/2012 10:14:45 AM



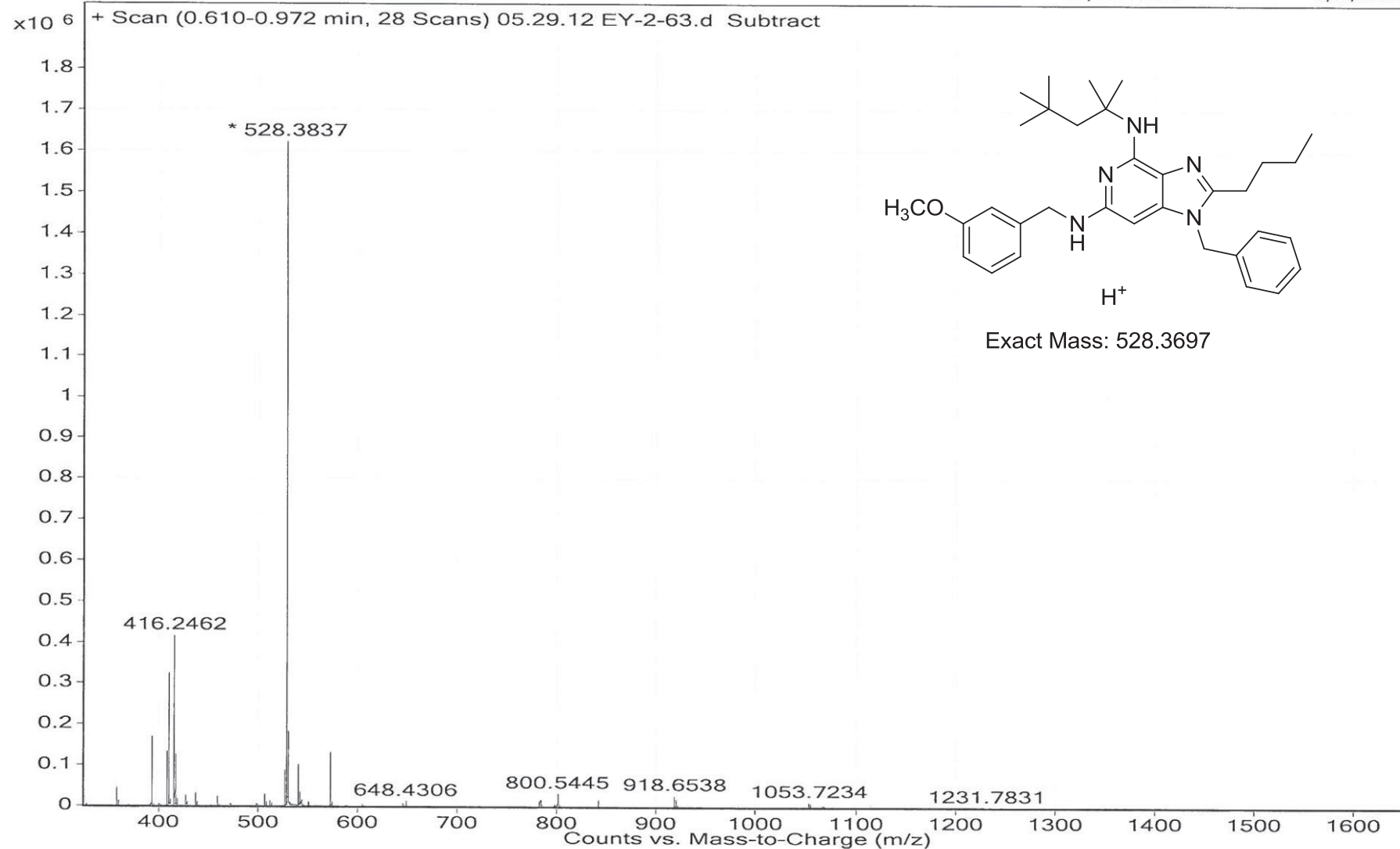


# 19g LC-MS

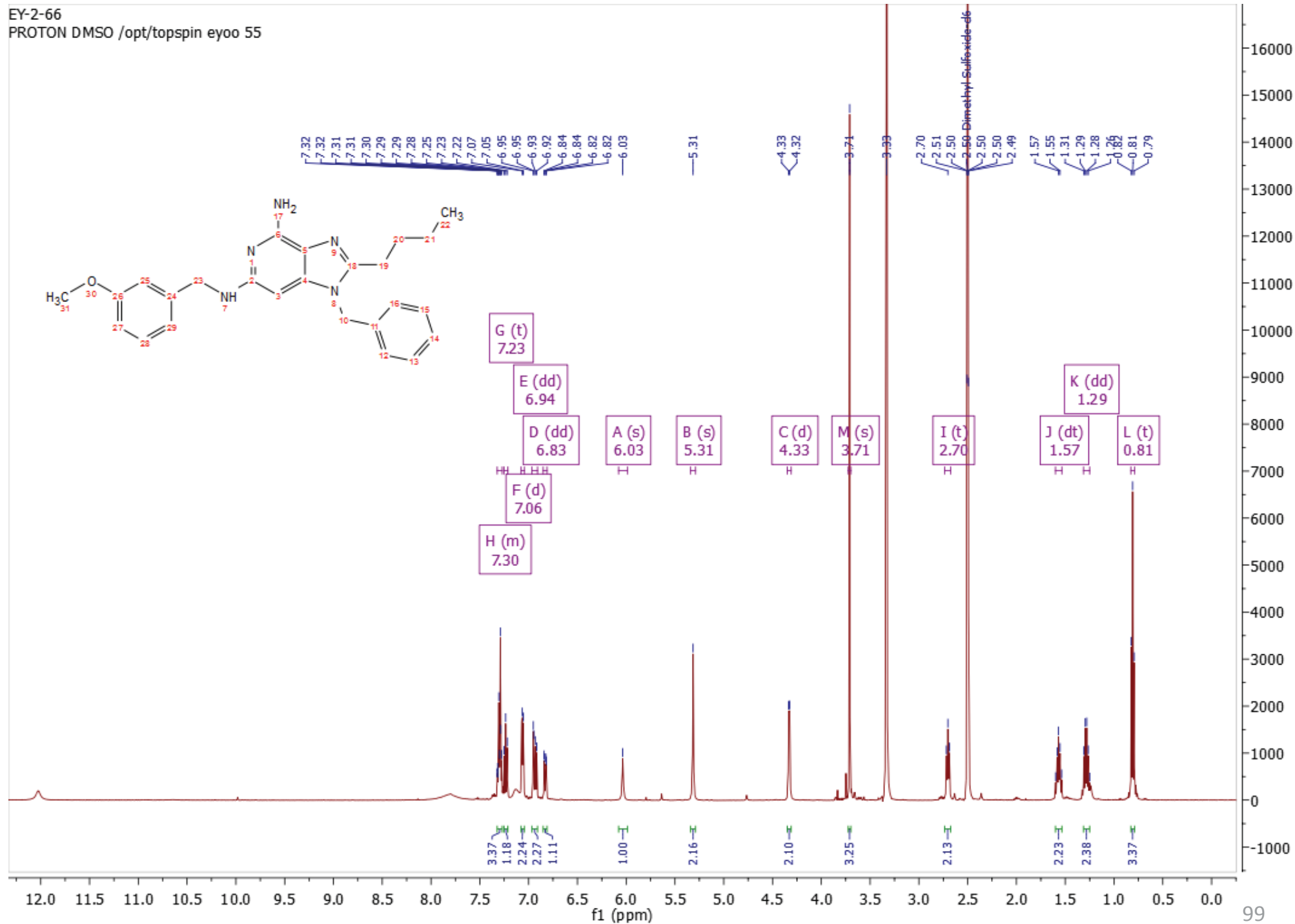


18h MS

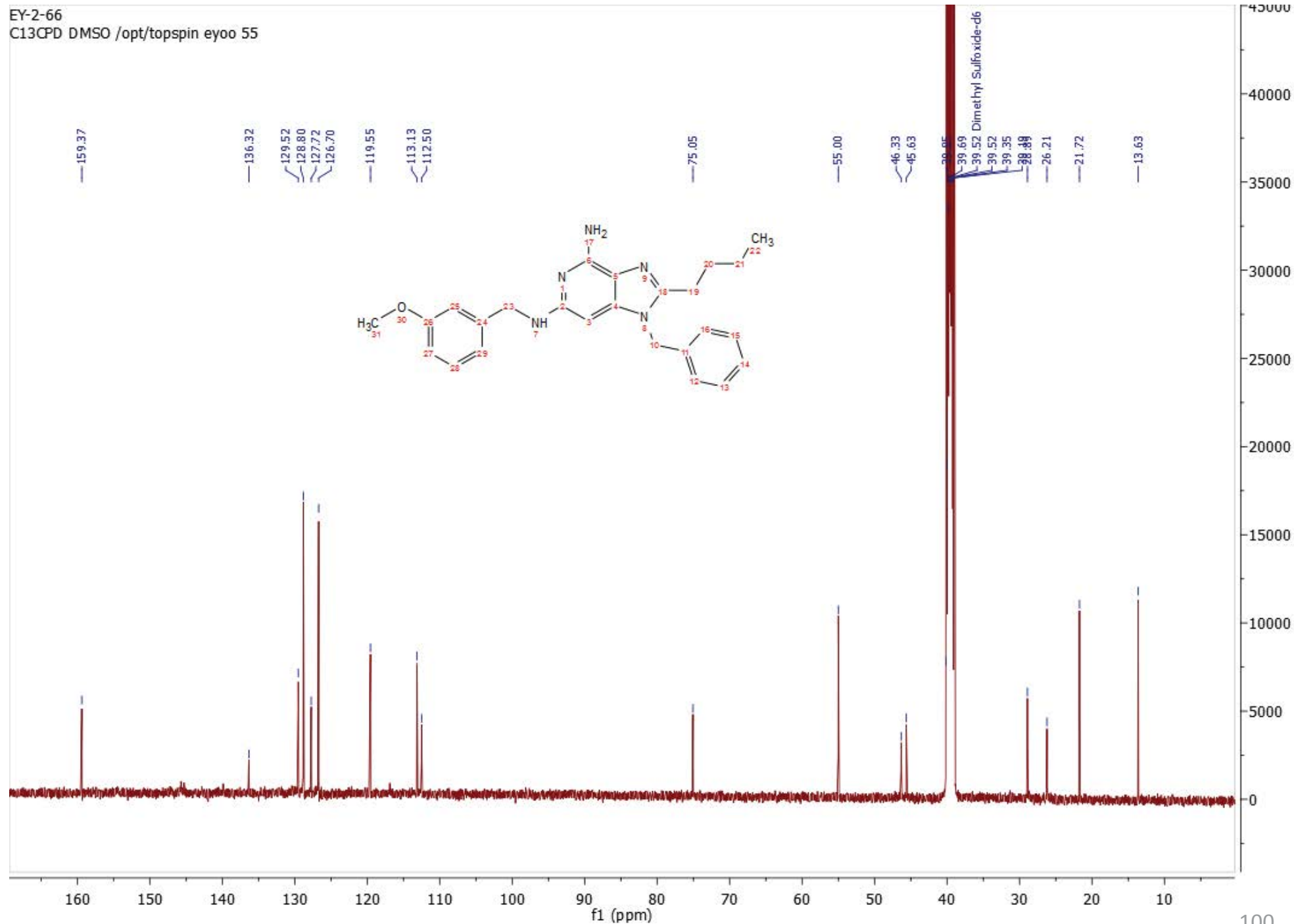
Sample Name	05.29.12 EY-2-63	Position	Vial 2	Instrument Name	Instrument 1	User Name
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status
Data Filename	05.29.12 EY-2-63.d	ACQ Method	Water-ACN Infusion M	Comment		Success
						Acquired Time
						5/29/2012 3:17:24 PM



# 19h <sup>1</sup>H NMR

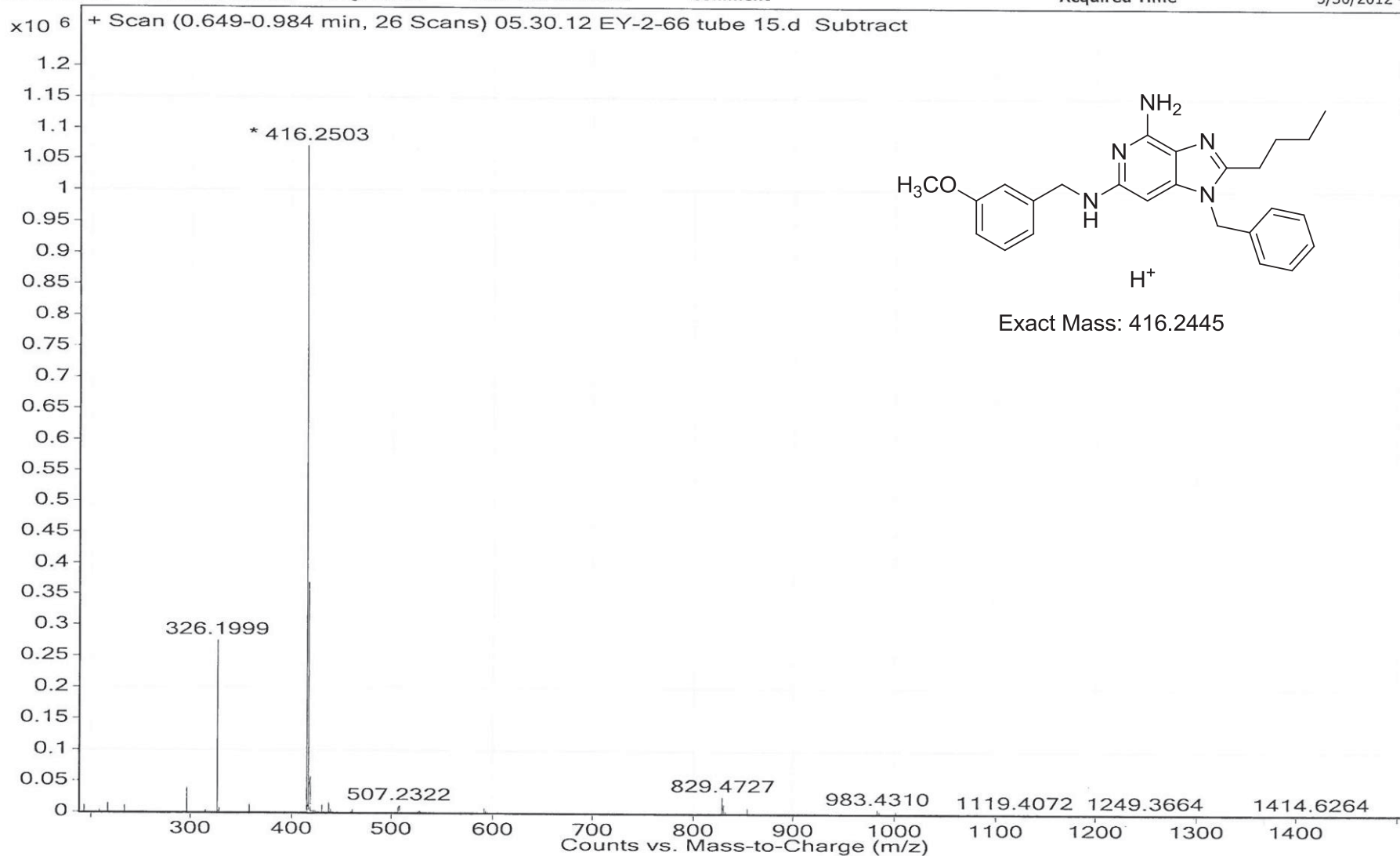


# **<sup>19</sup>F <sup>13</sup>C NMR**

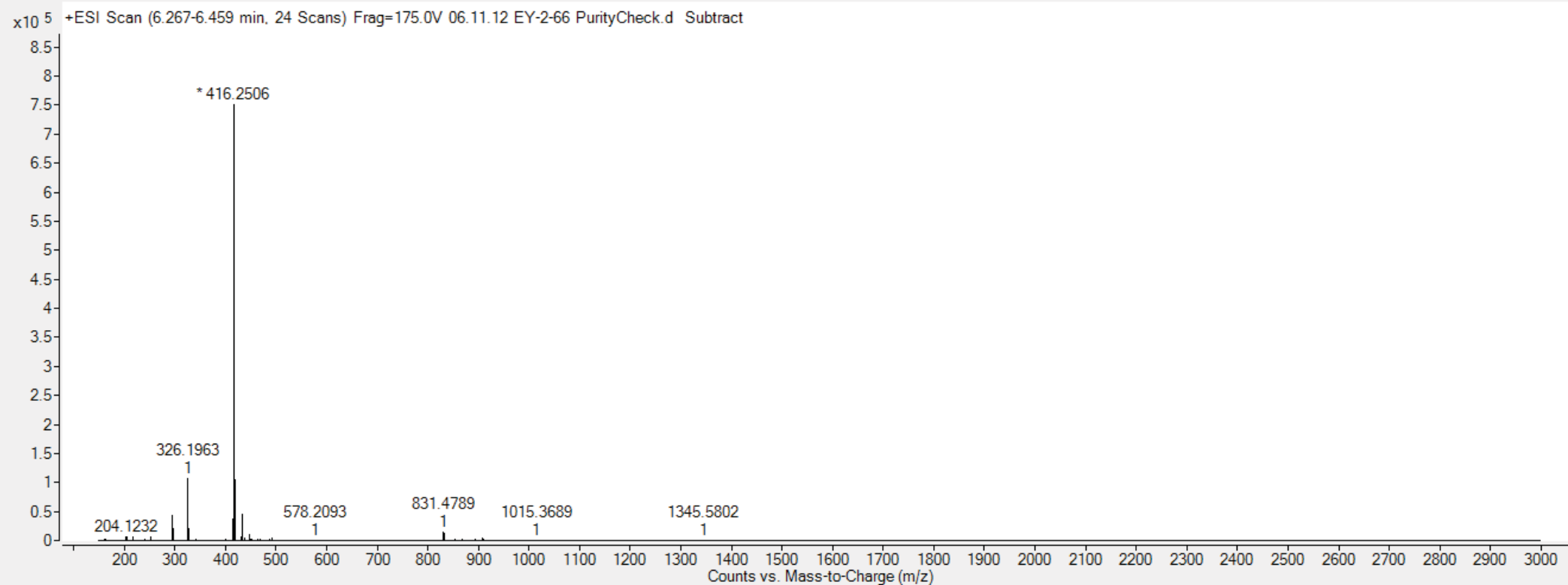
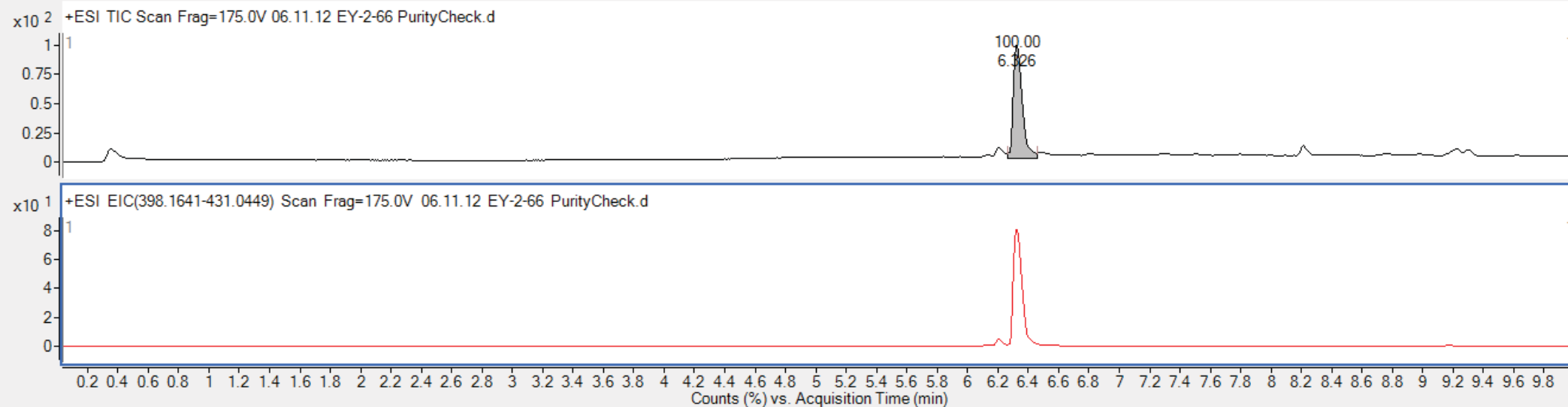


# 19h MS

Sample Name	05.30.12 EY-2-66 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.30.12 EY-2-66 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/30/2012 4:34:33 PM

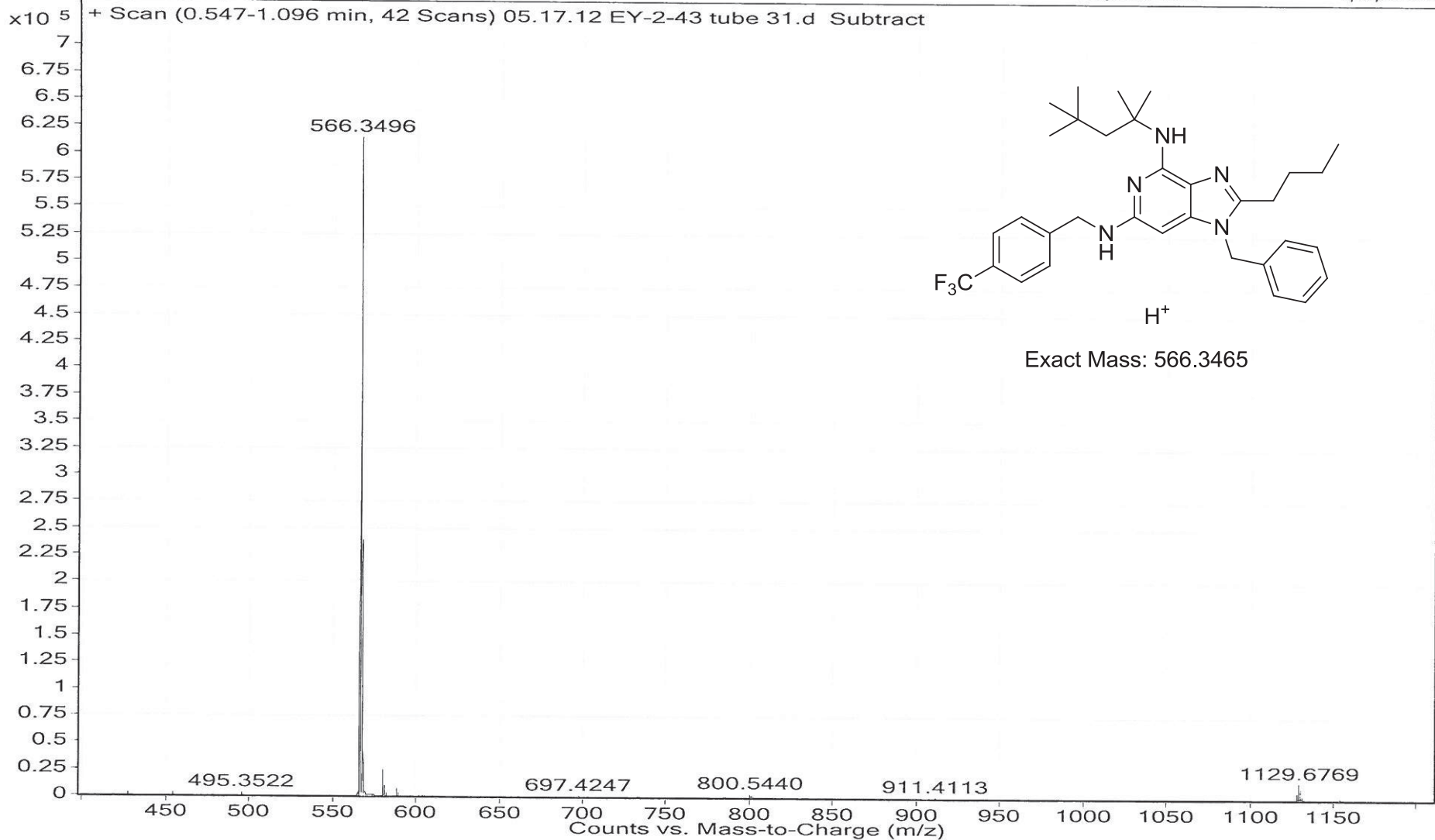


# 19h LC-MS



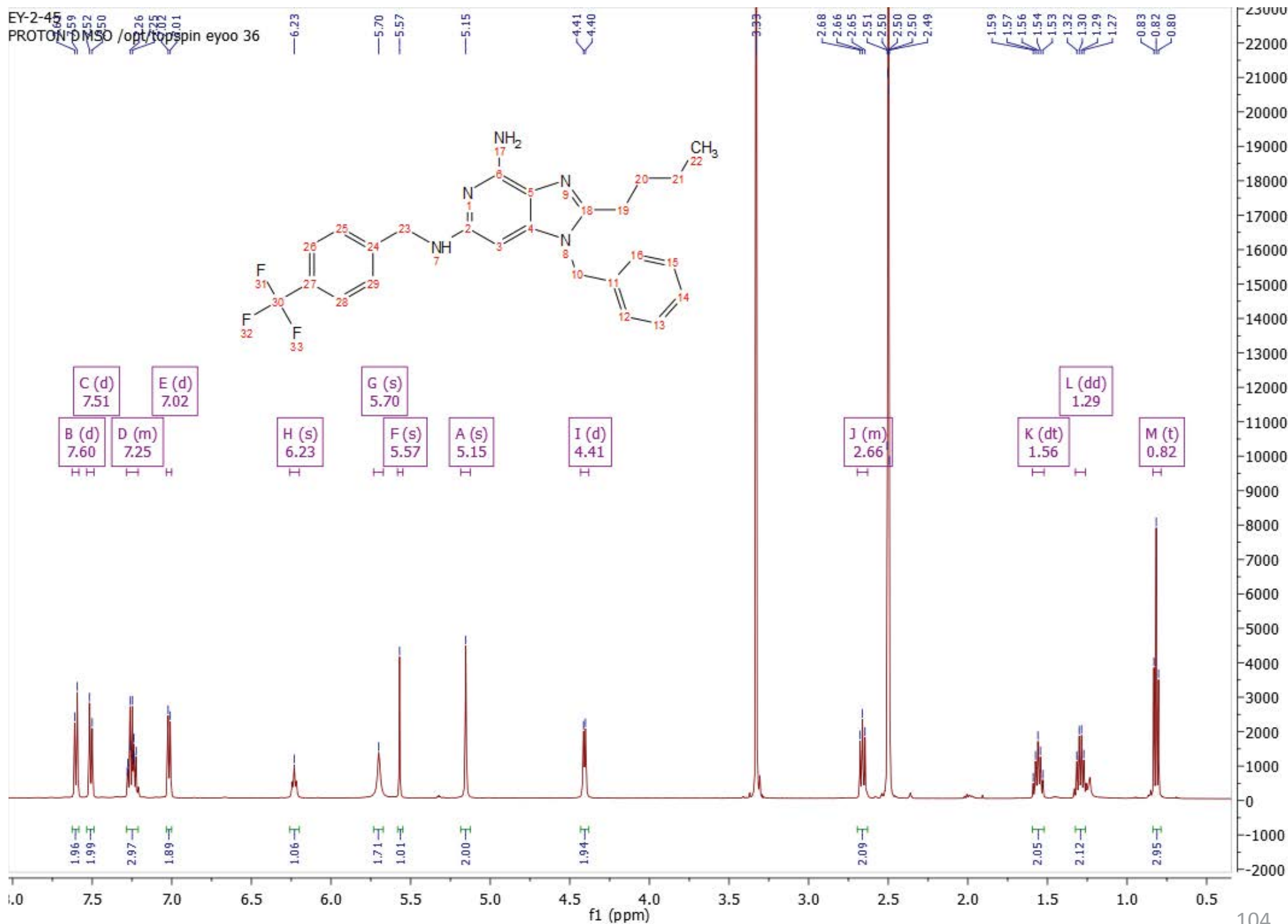
# 181 MS

Sample Name	05.17.12 EY-2-43 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.17.12 EY-2-43 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/17/2012 3:27:25 PM

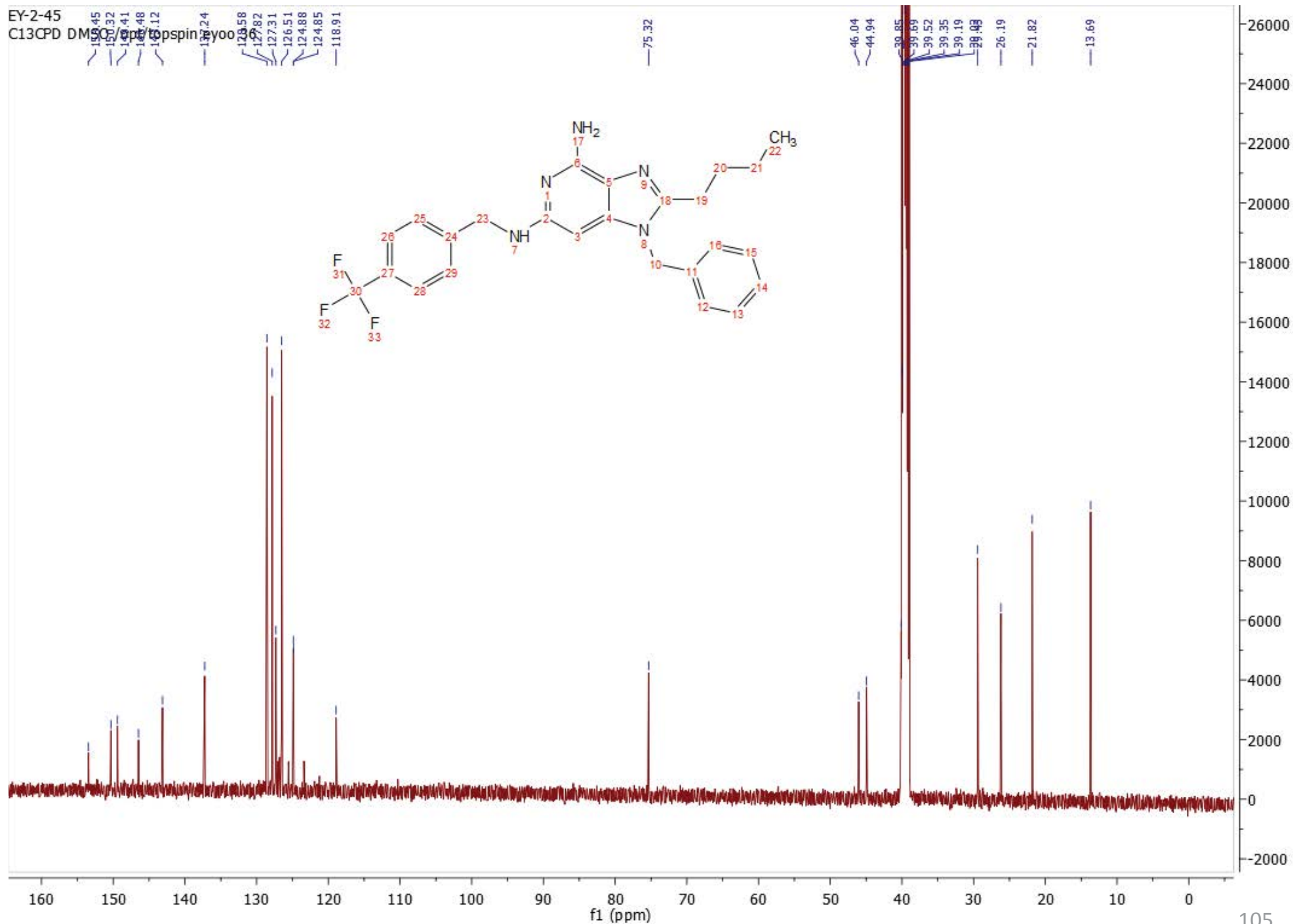




# <sup>1</sup>H NMR

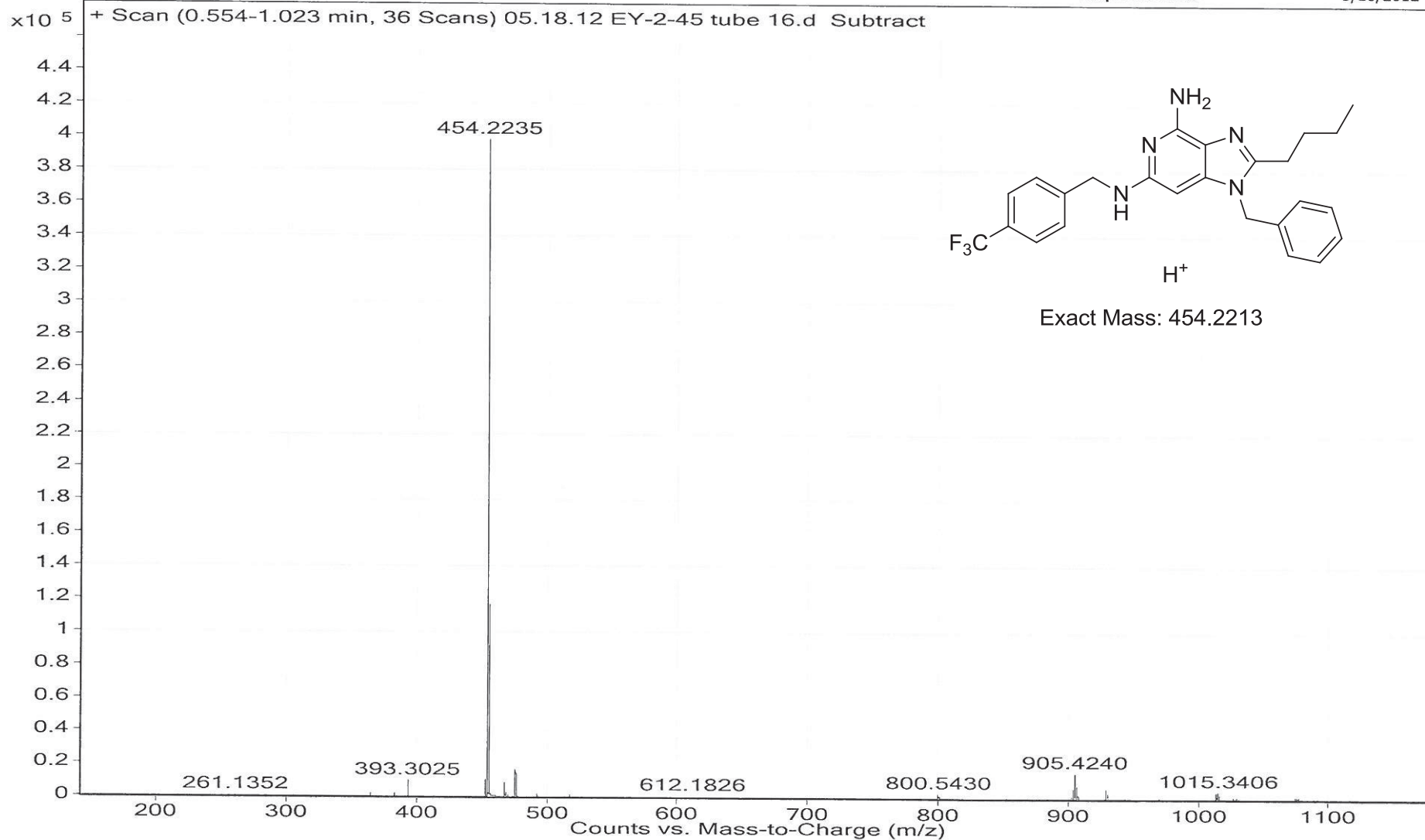


# <sup>19</sup>F and <sup>13</sup>C NMR

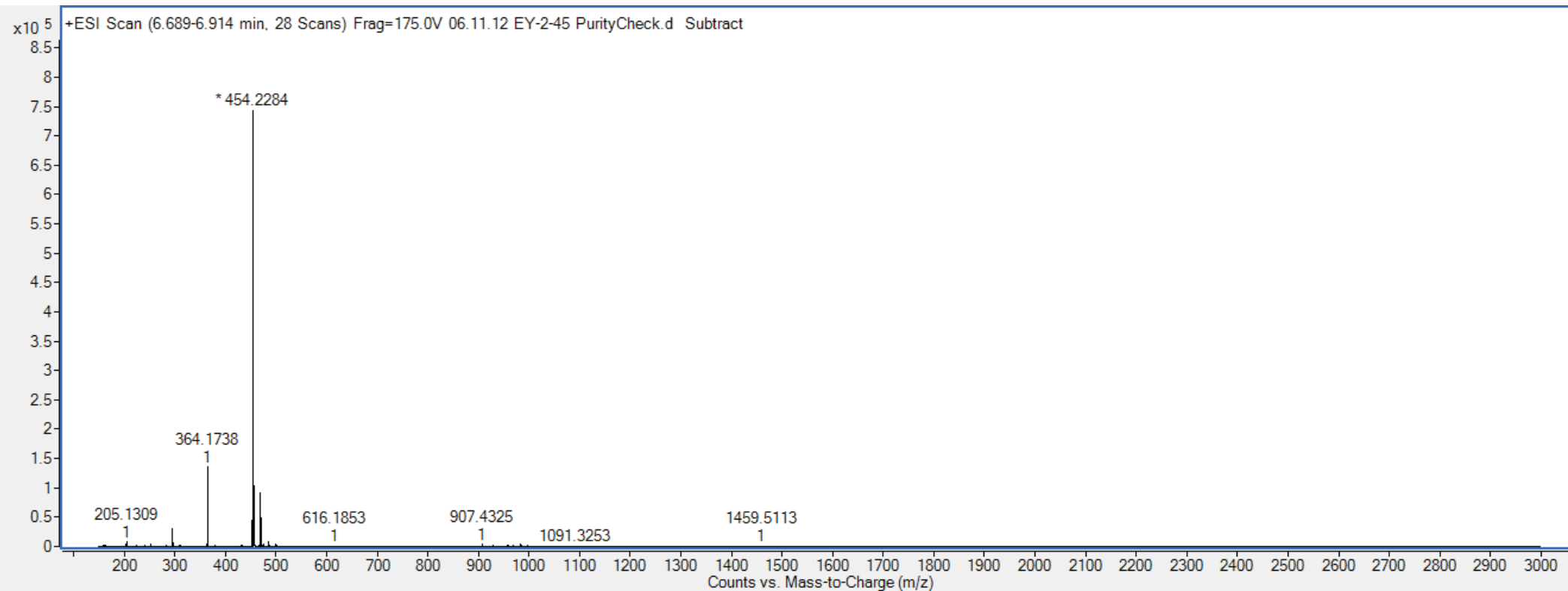
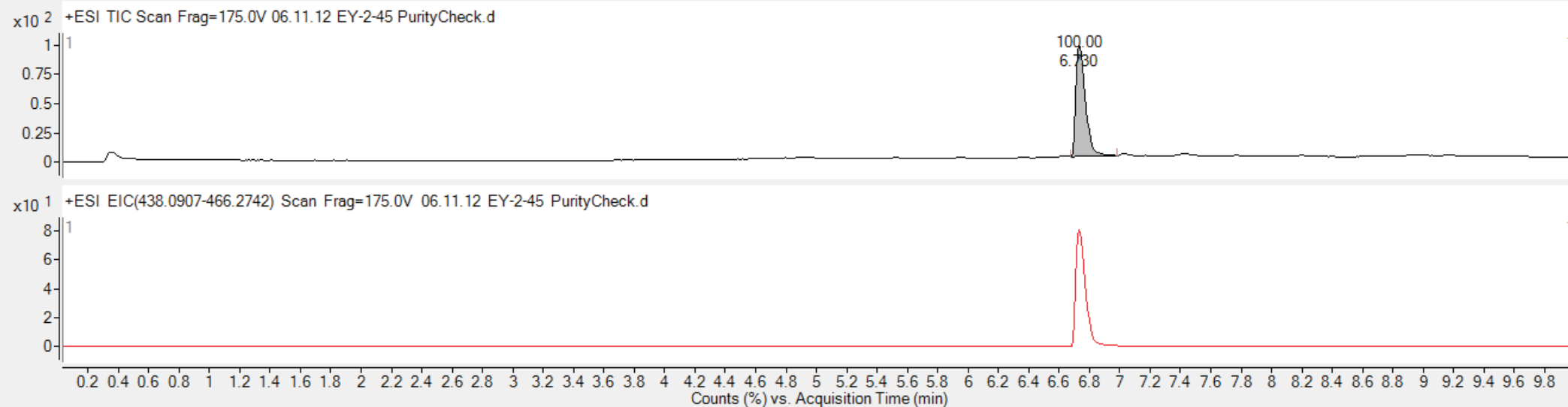


# 191 MS

Sample Name	05.18.12 EY-2-45 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.18.12 EY-2-45 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/18/2012 12:32:16 PM

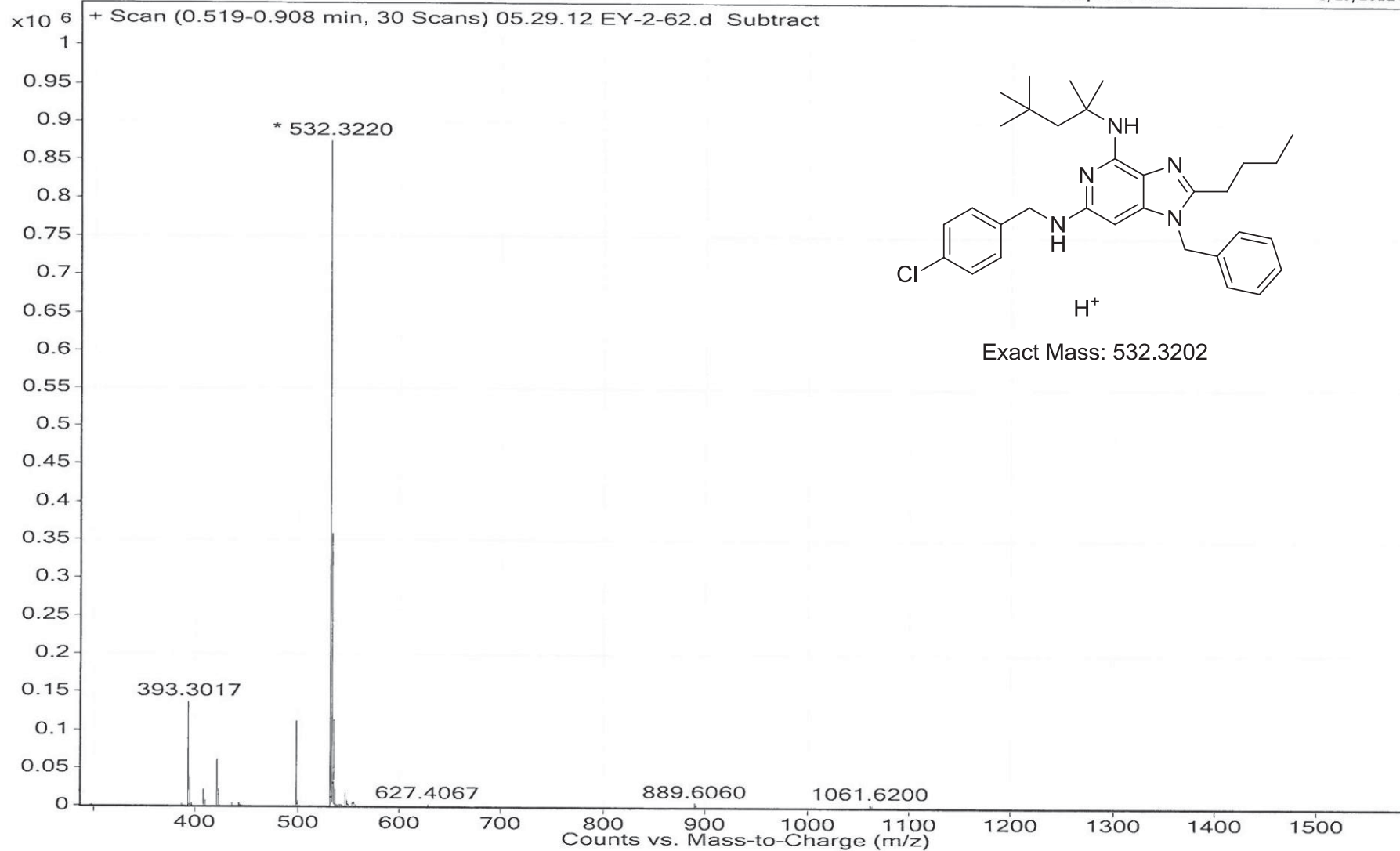


# 19i LC-MS

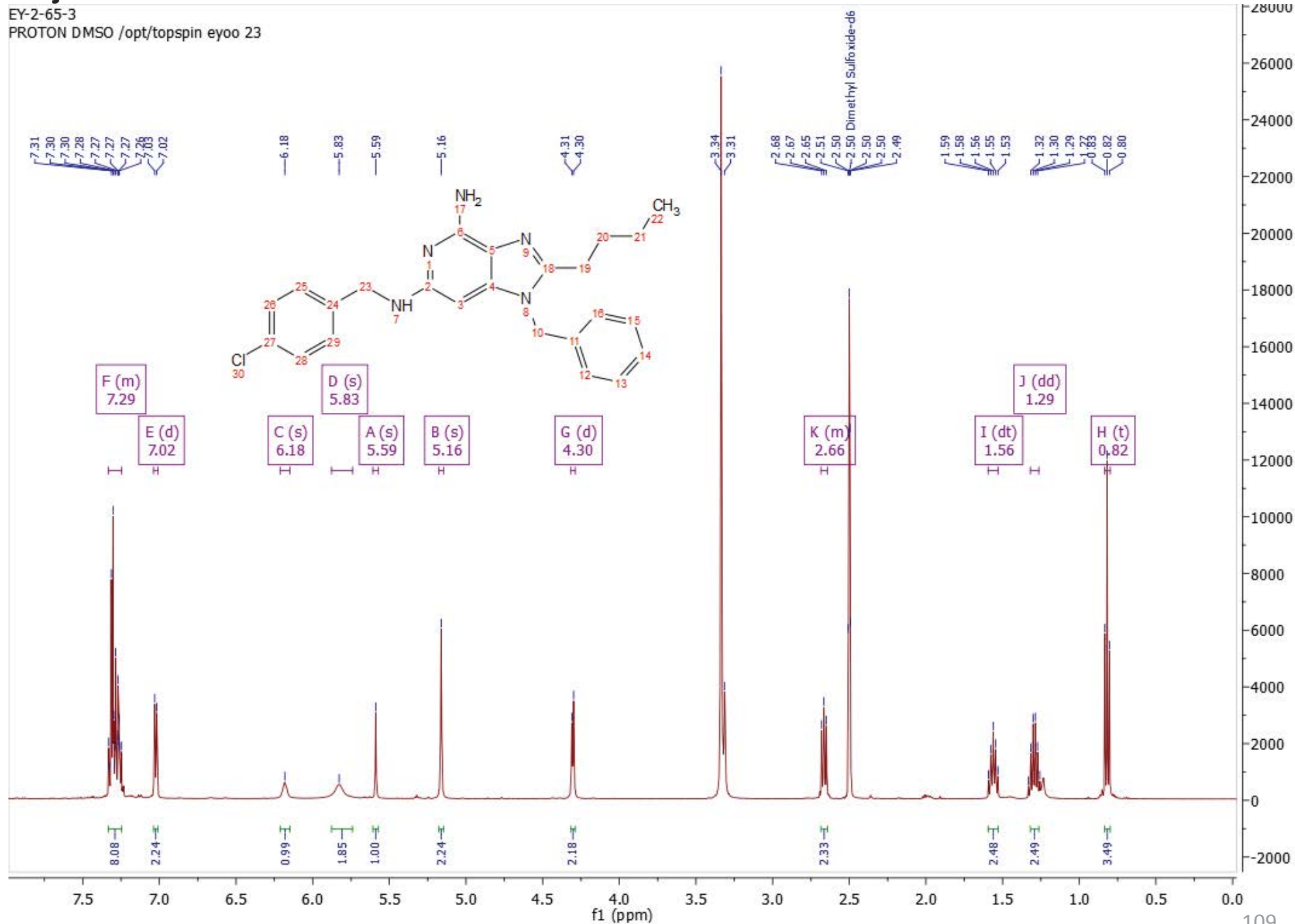


18j MS

Sample Name	05.29.12 EY-2-62	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.29.12 EY-2-62.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/29/2012 3:13:18 PM

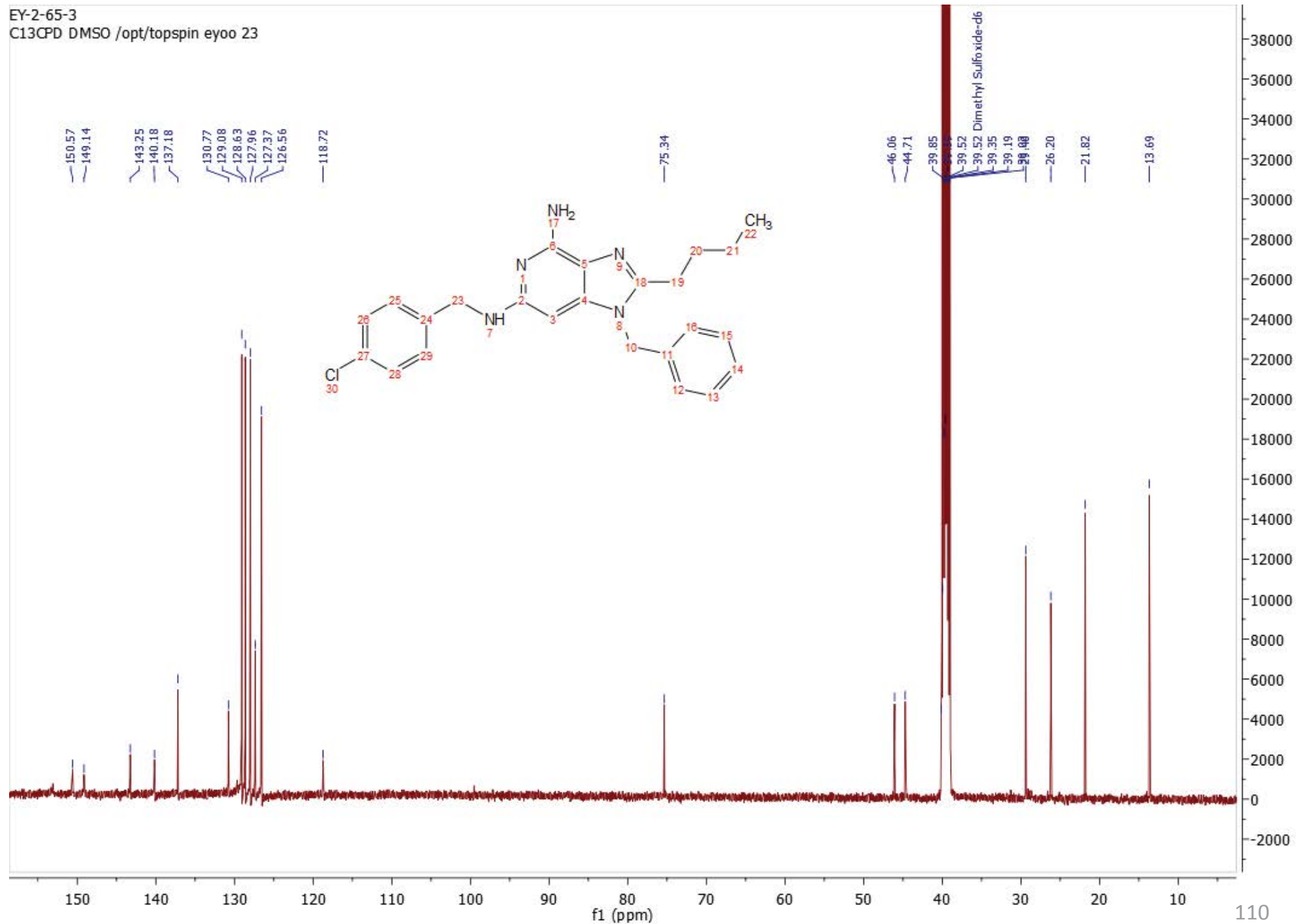


# 19j <sup>1</sup>H NMR





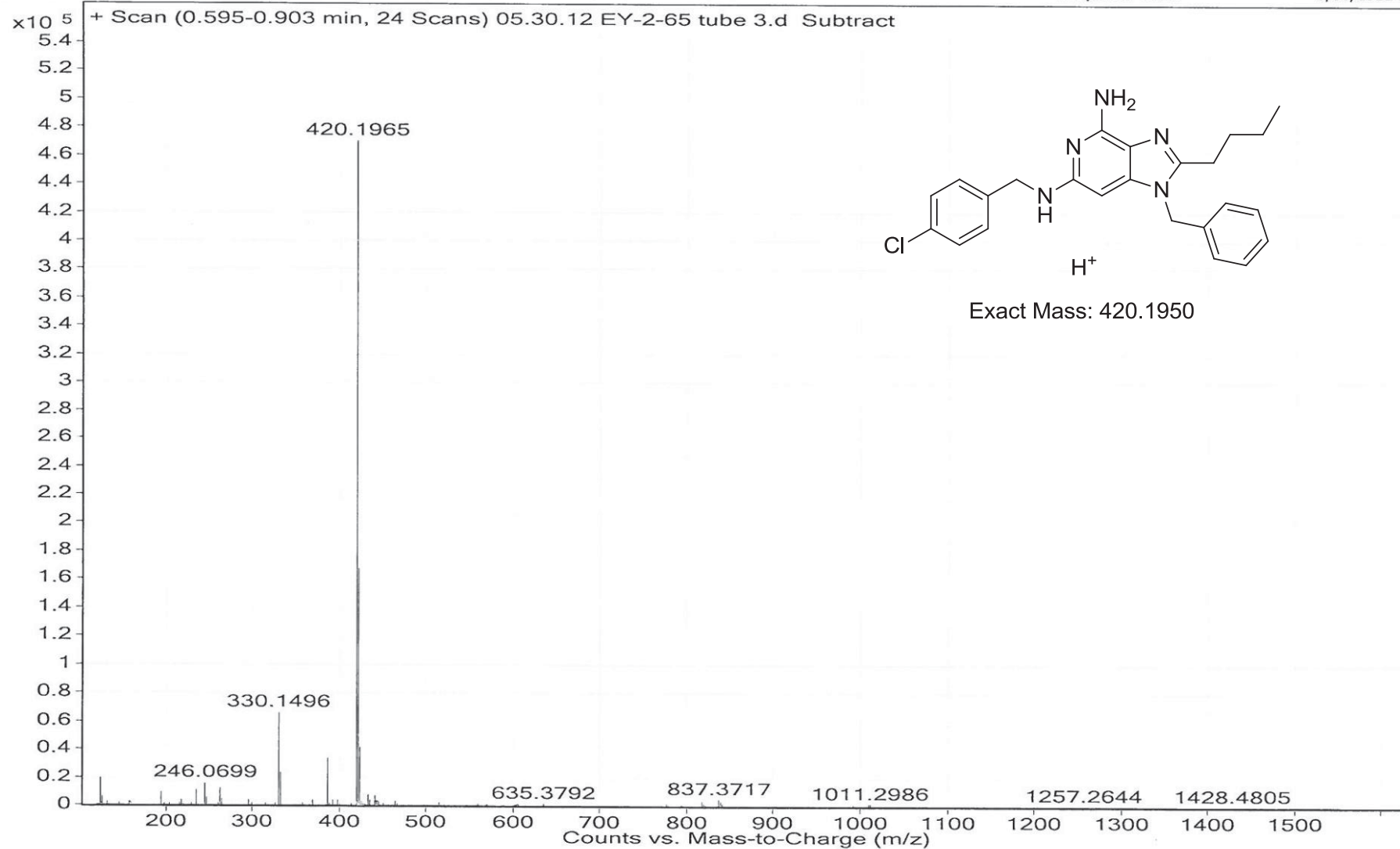
# 19j <sup>13</sup>C NMR



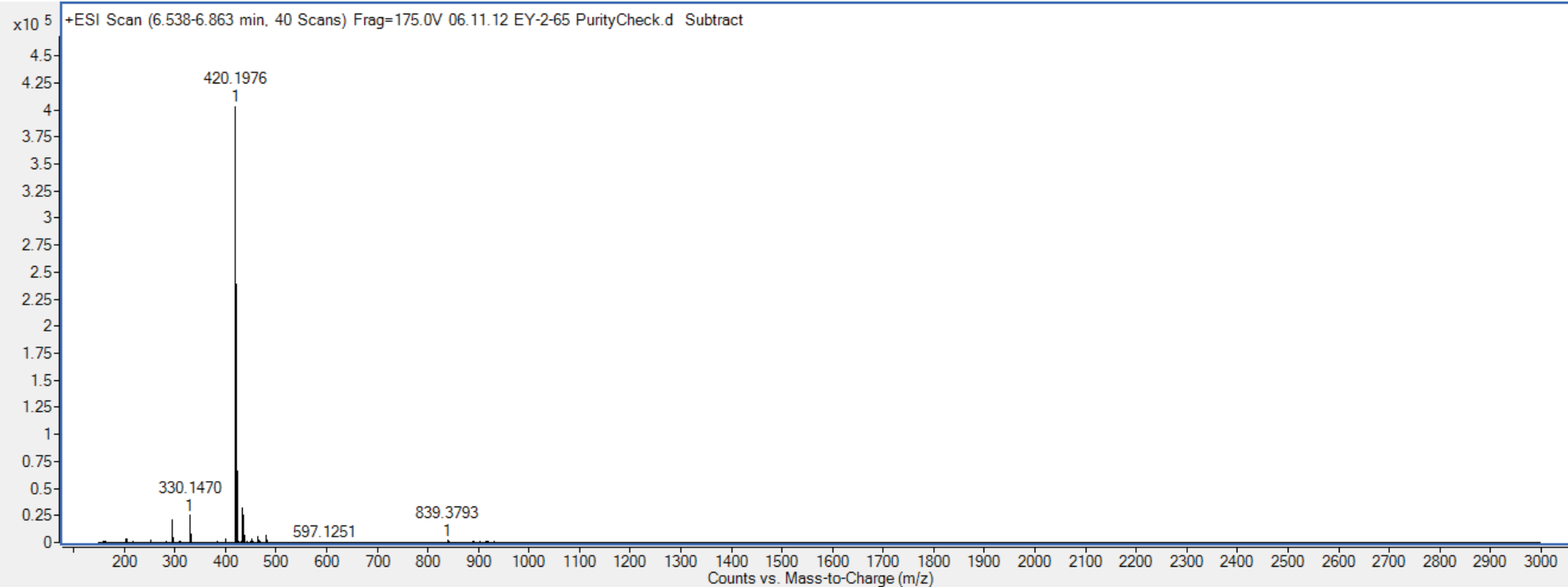
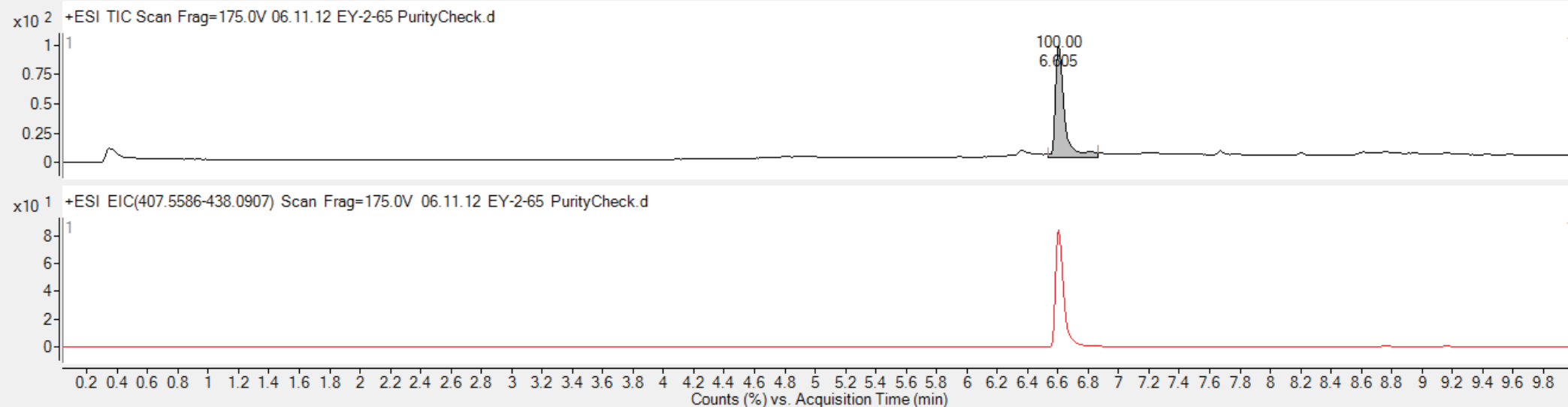


# 19j MS

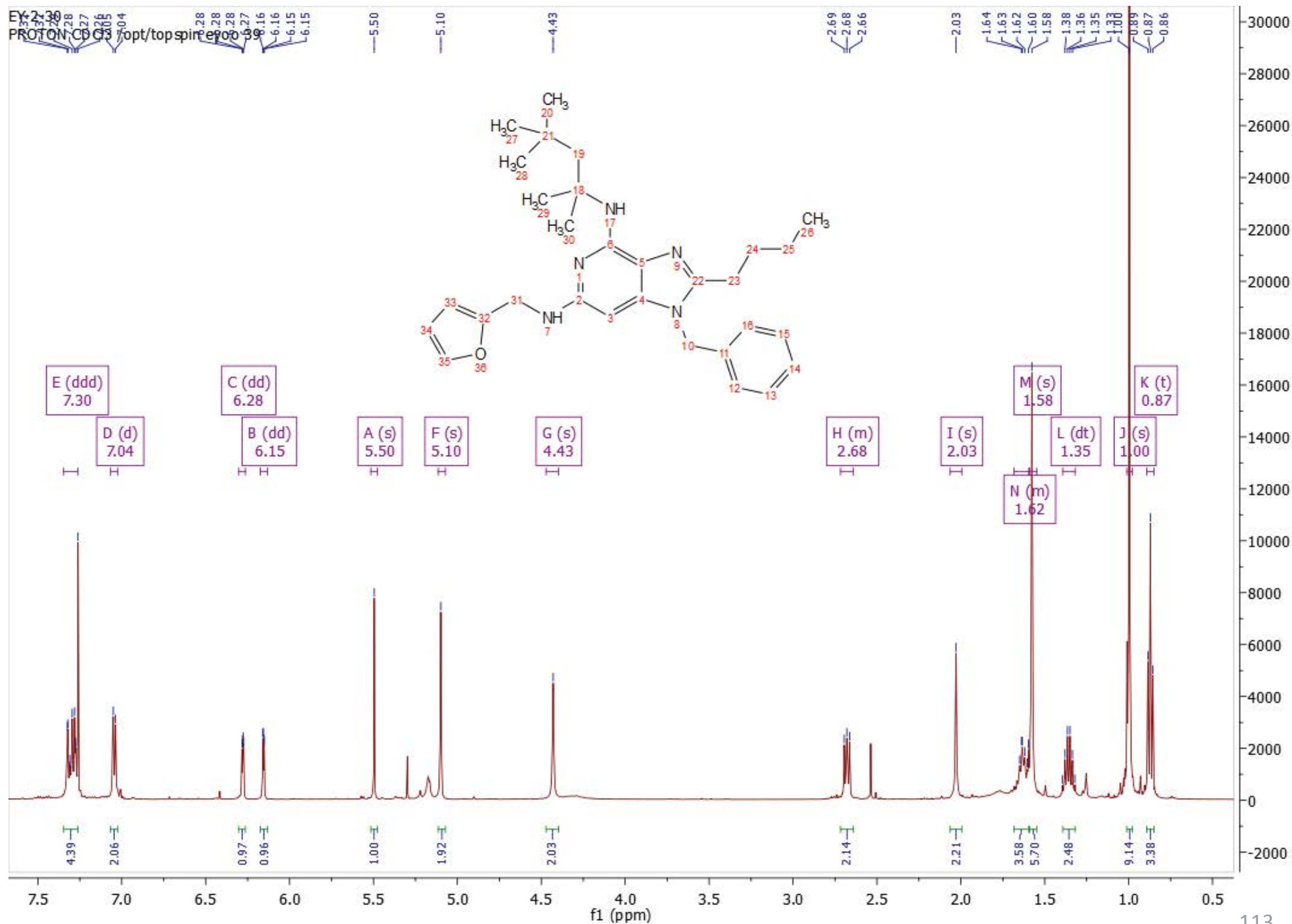
Sample Name	05.30.12 EY-2-65 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.30.12 EY-2-65 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/30/2012 3:59:17 PM



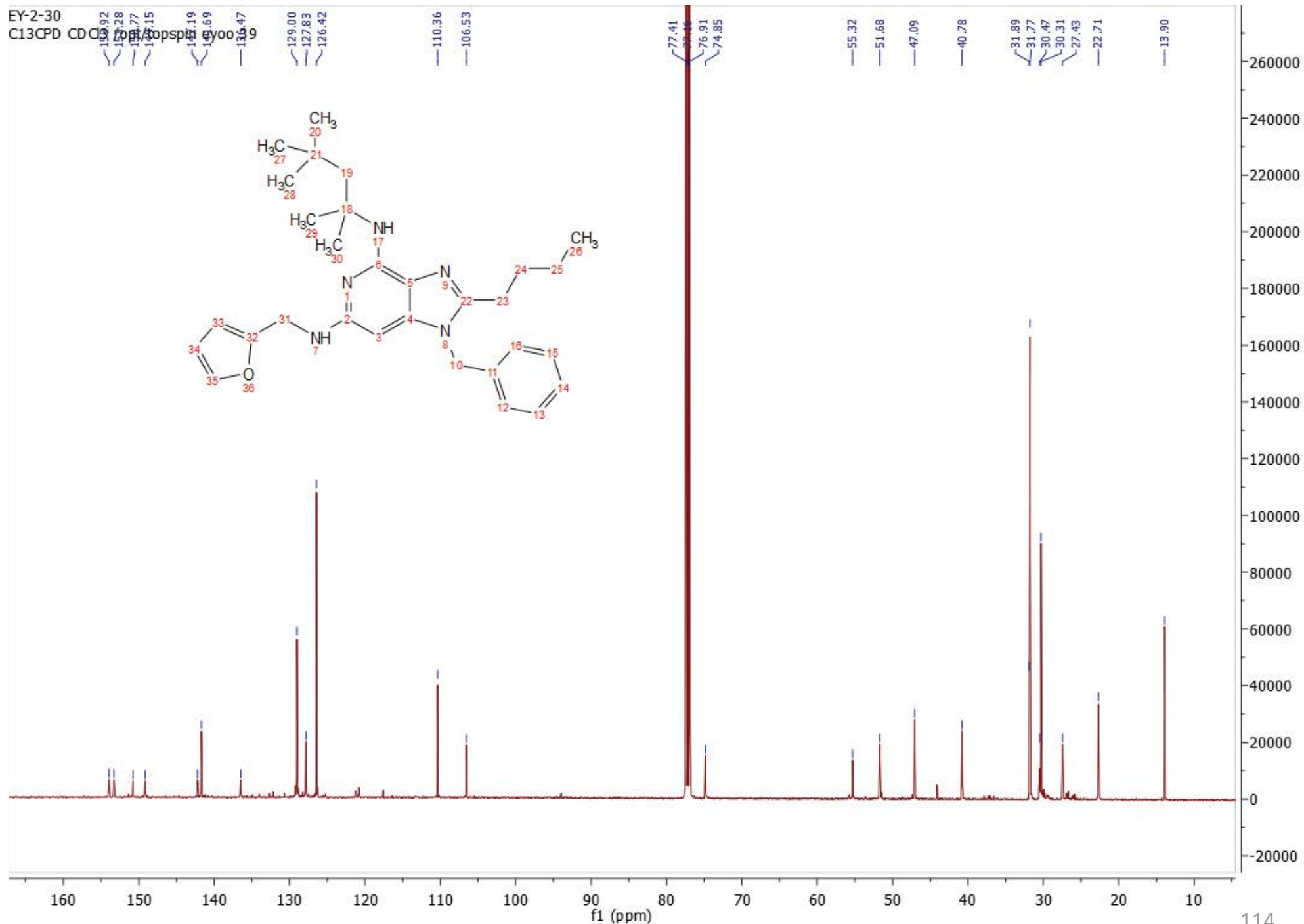
# 19j LC-MS



# 18k <sup>1</sup>H NMR

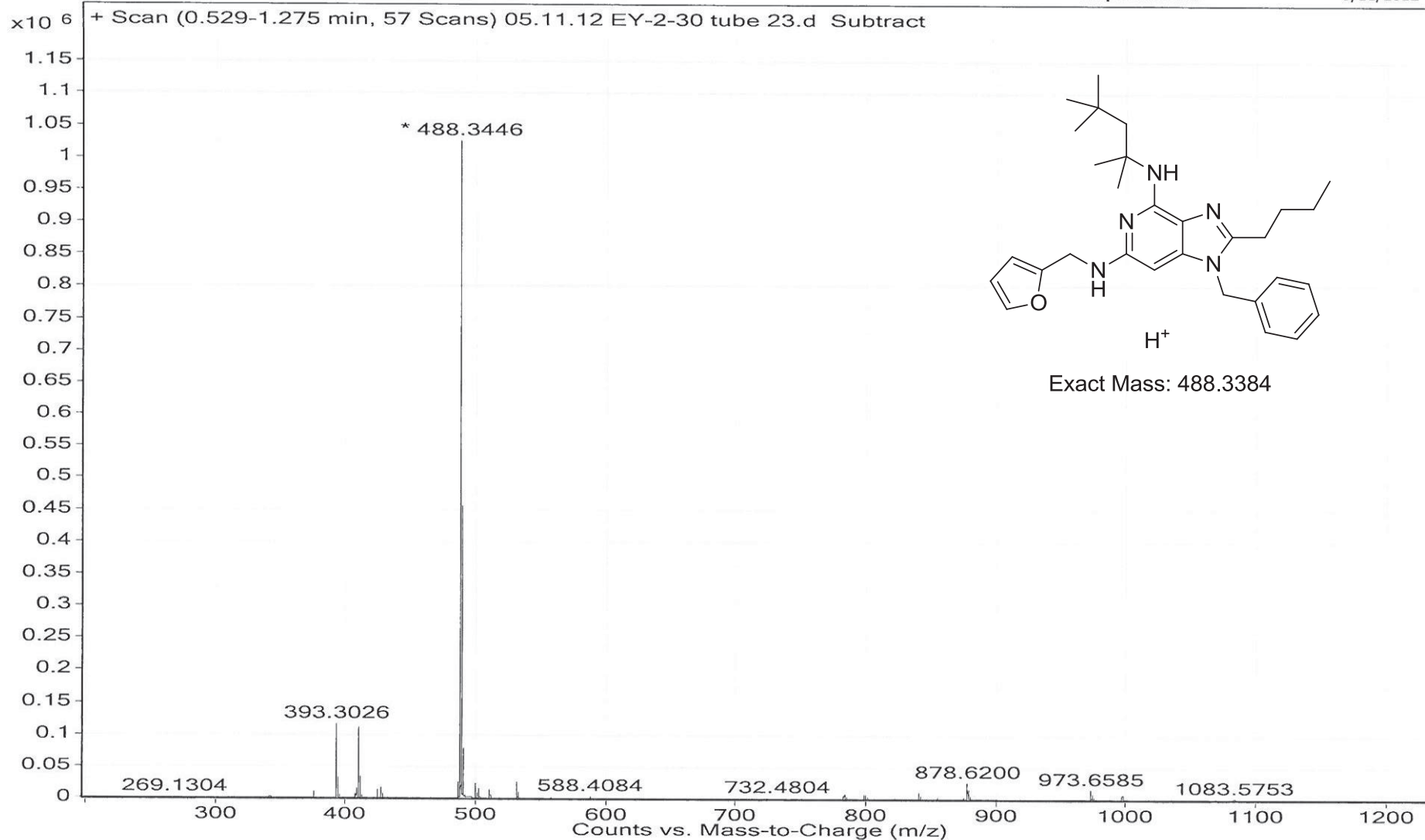


# 18k <sup>13</sup>C NMR

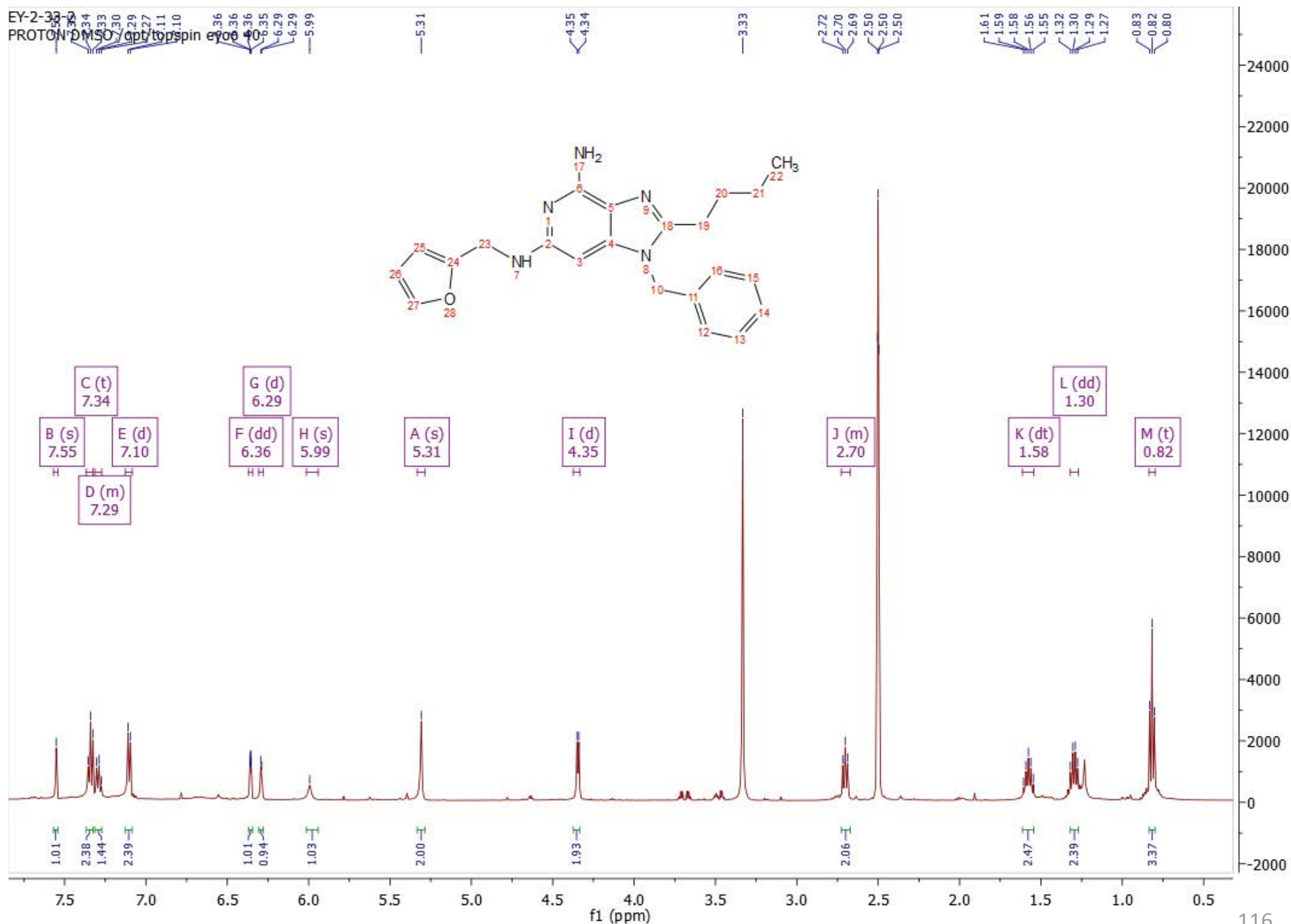


# 18k MS

Sample Name	05.11.12 EY-2-30 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.11.12 EY-2-30 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/11/2012 4:22:55 PM

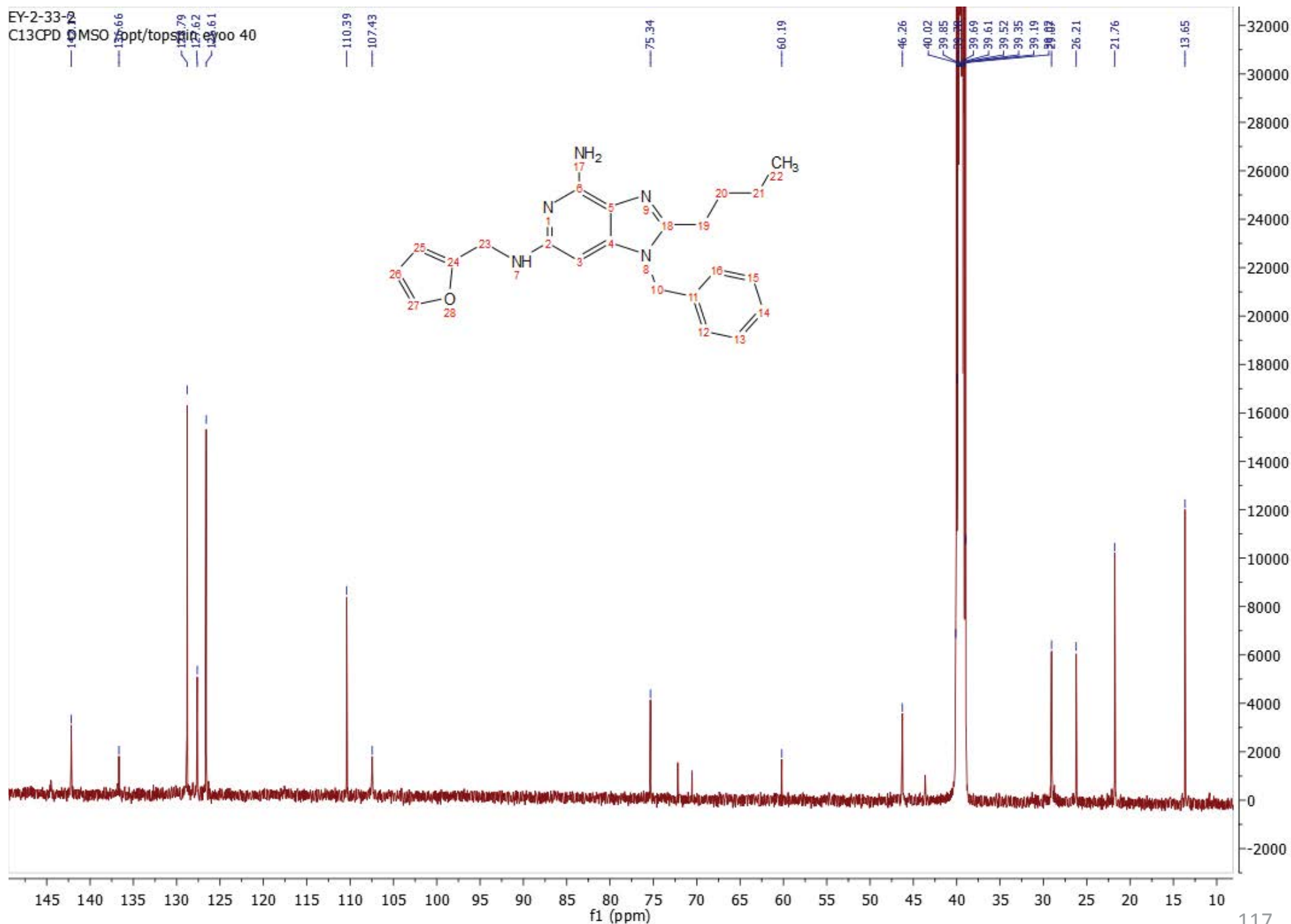


# 19k <sup>1</sup>H NMR





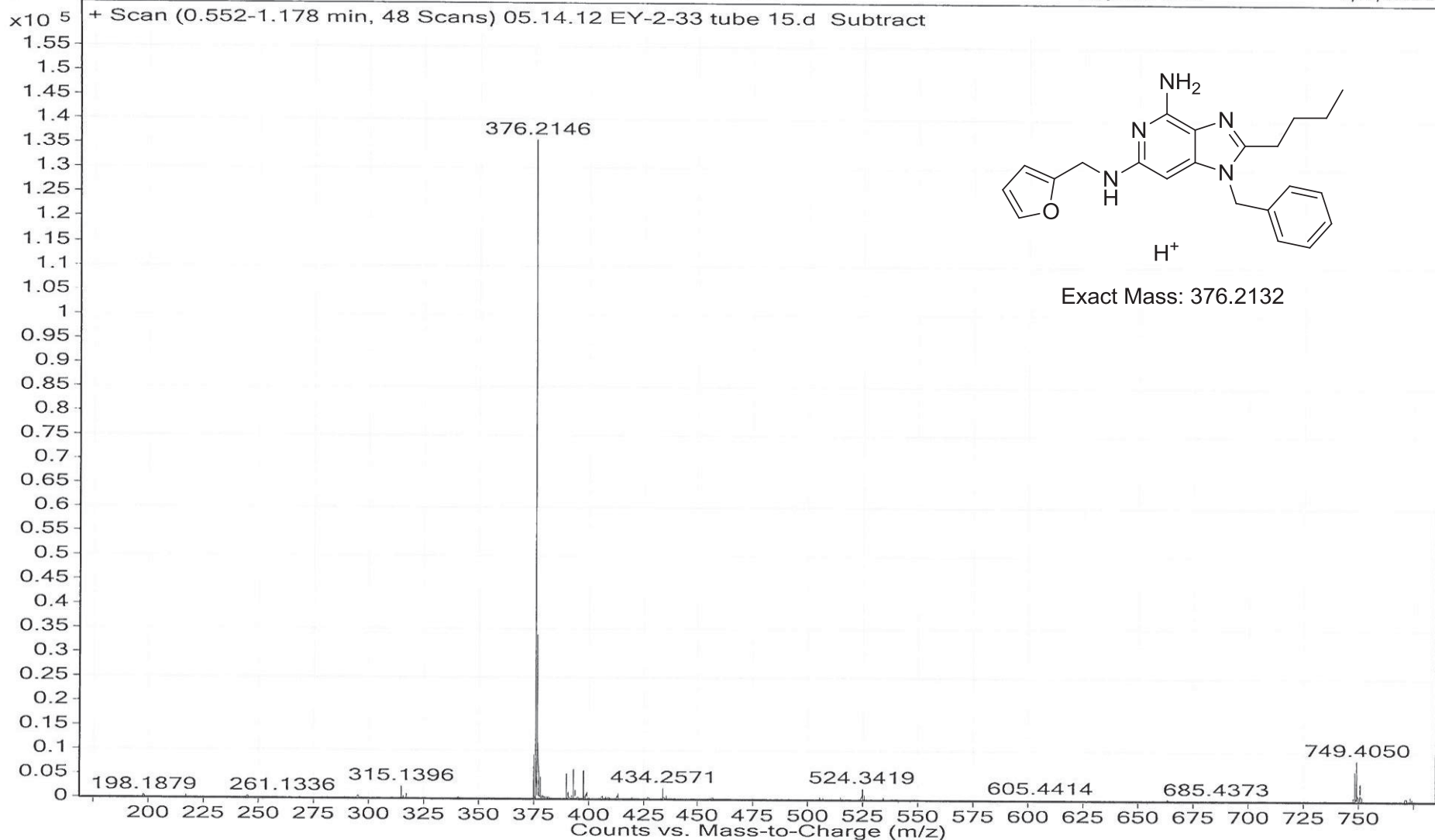
# 19k <sup>13</sup>C NMR



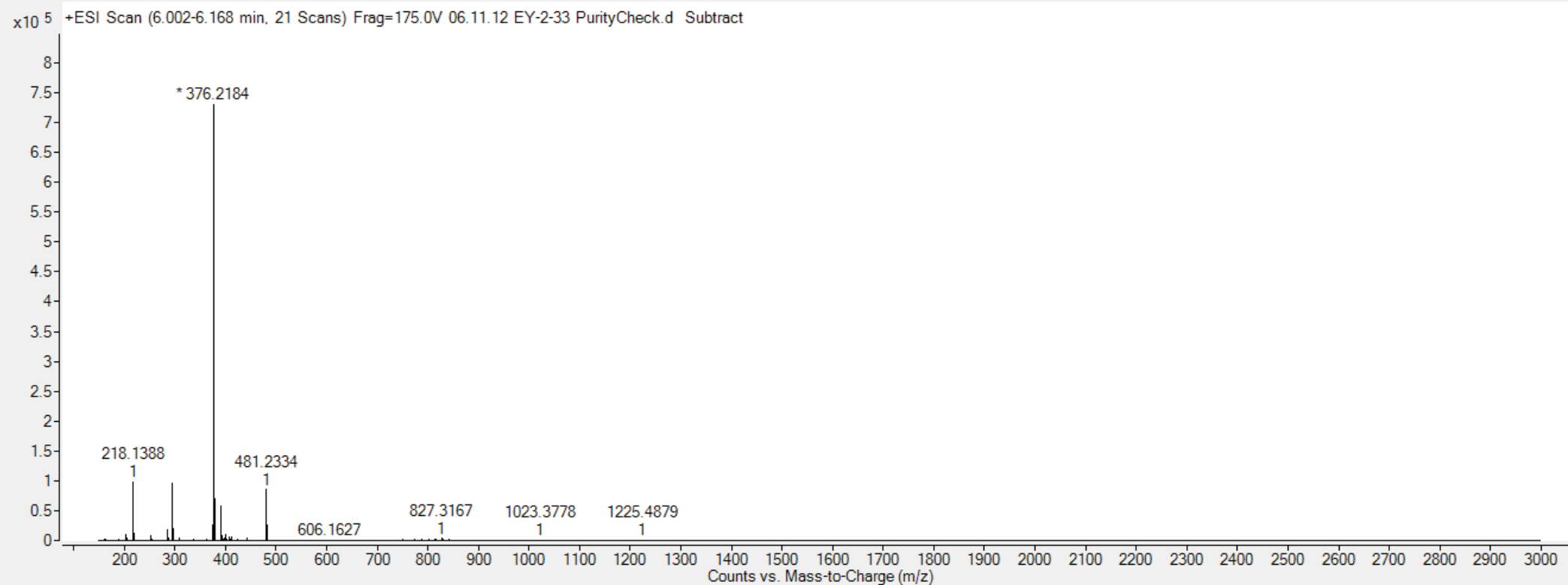
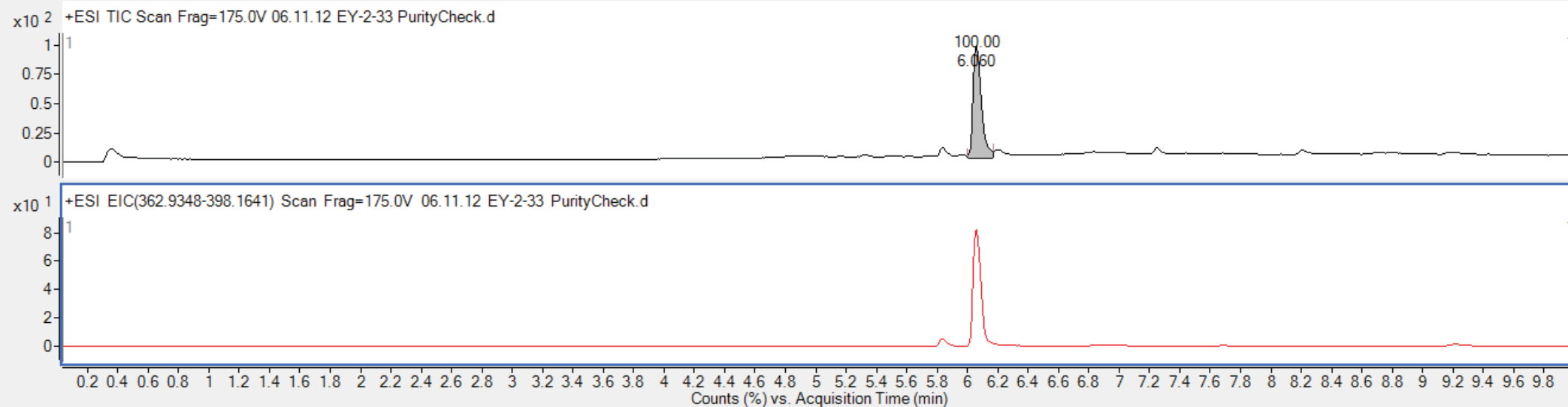


# 19k MS

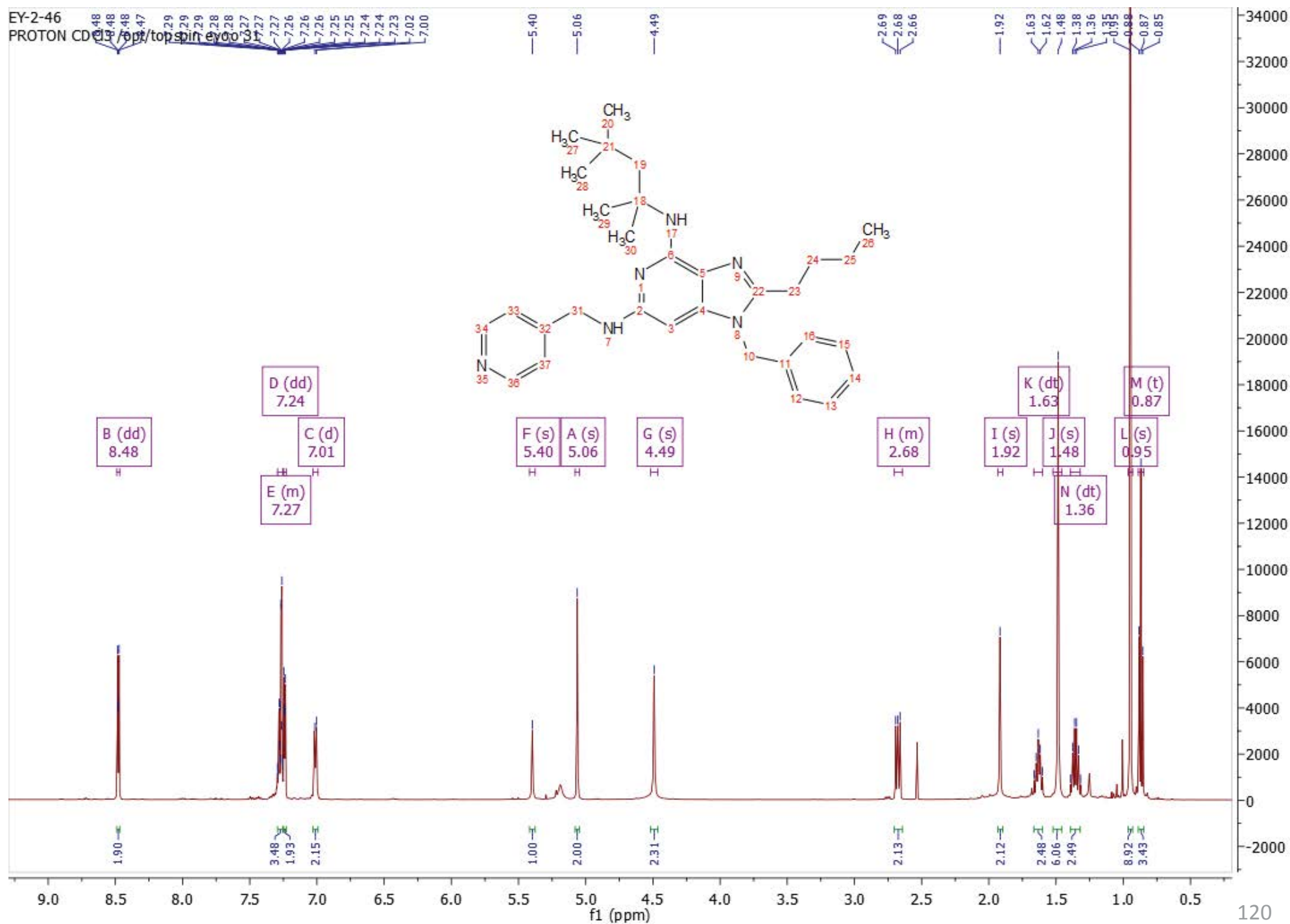
Sample Name	05.14.12 EY-2-33 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.14.12 EY-2-33 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/14/2012 12:52:41 PM



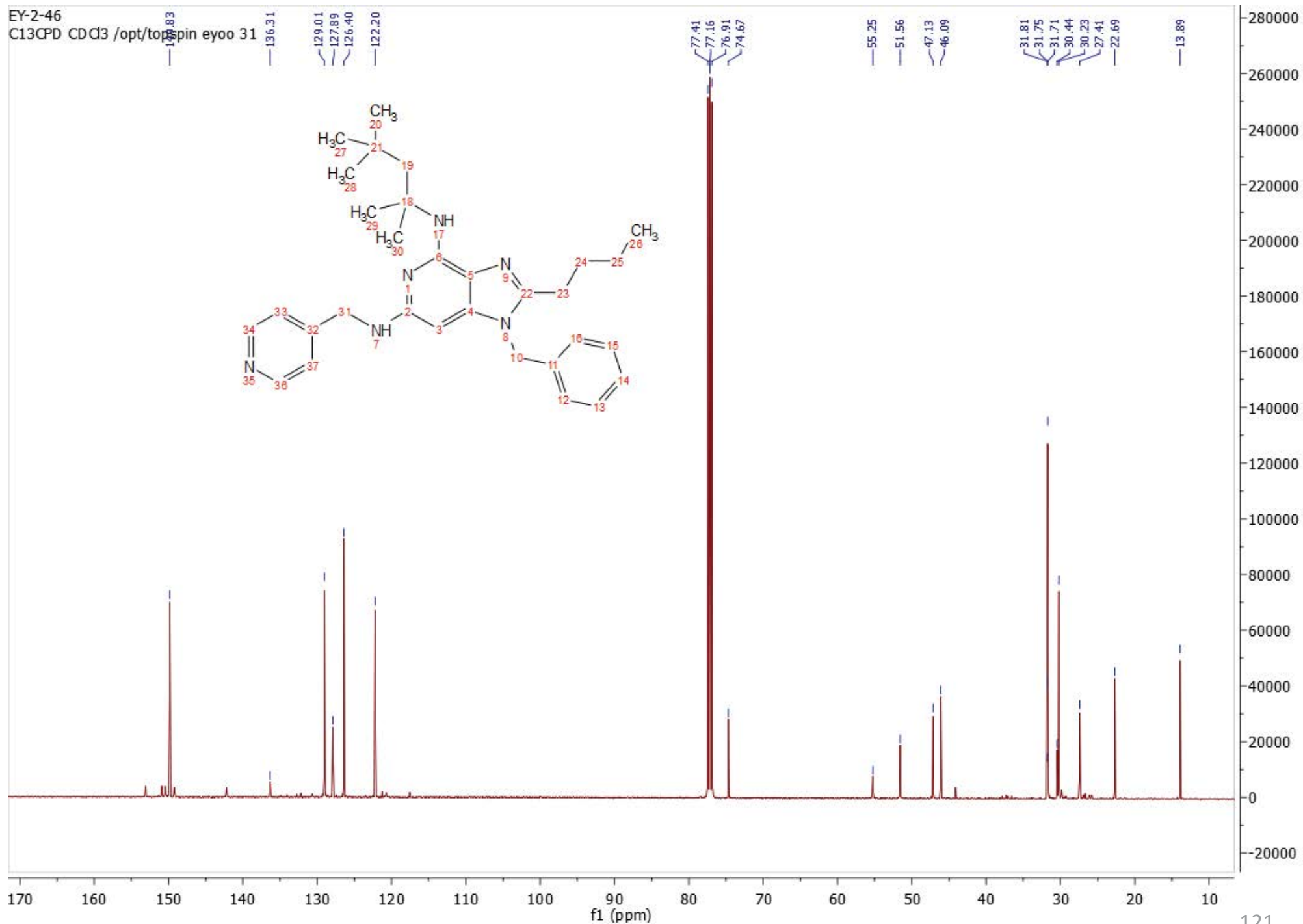
# 19k LC-MS



# **1H NMR**

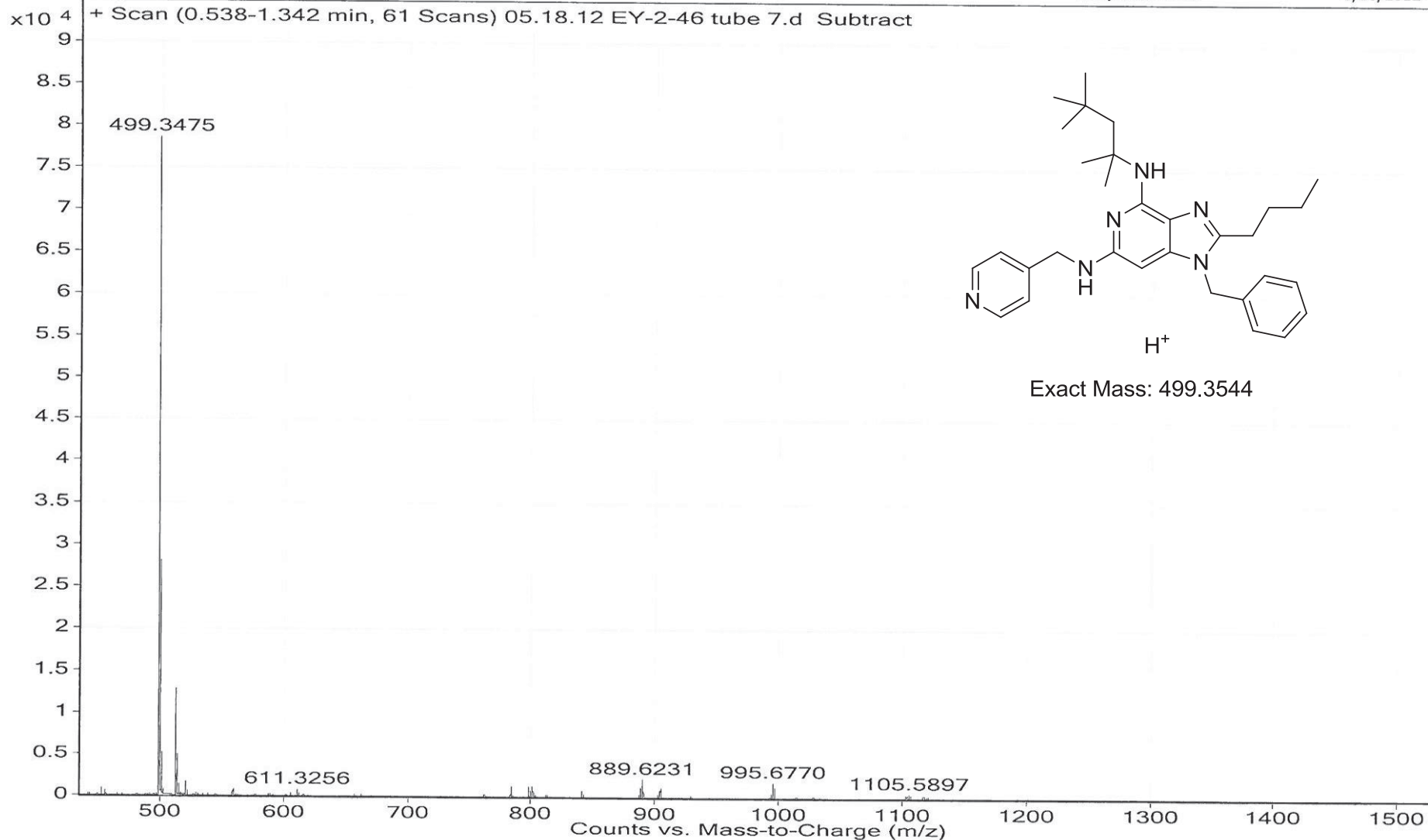


# **13C NMR**

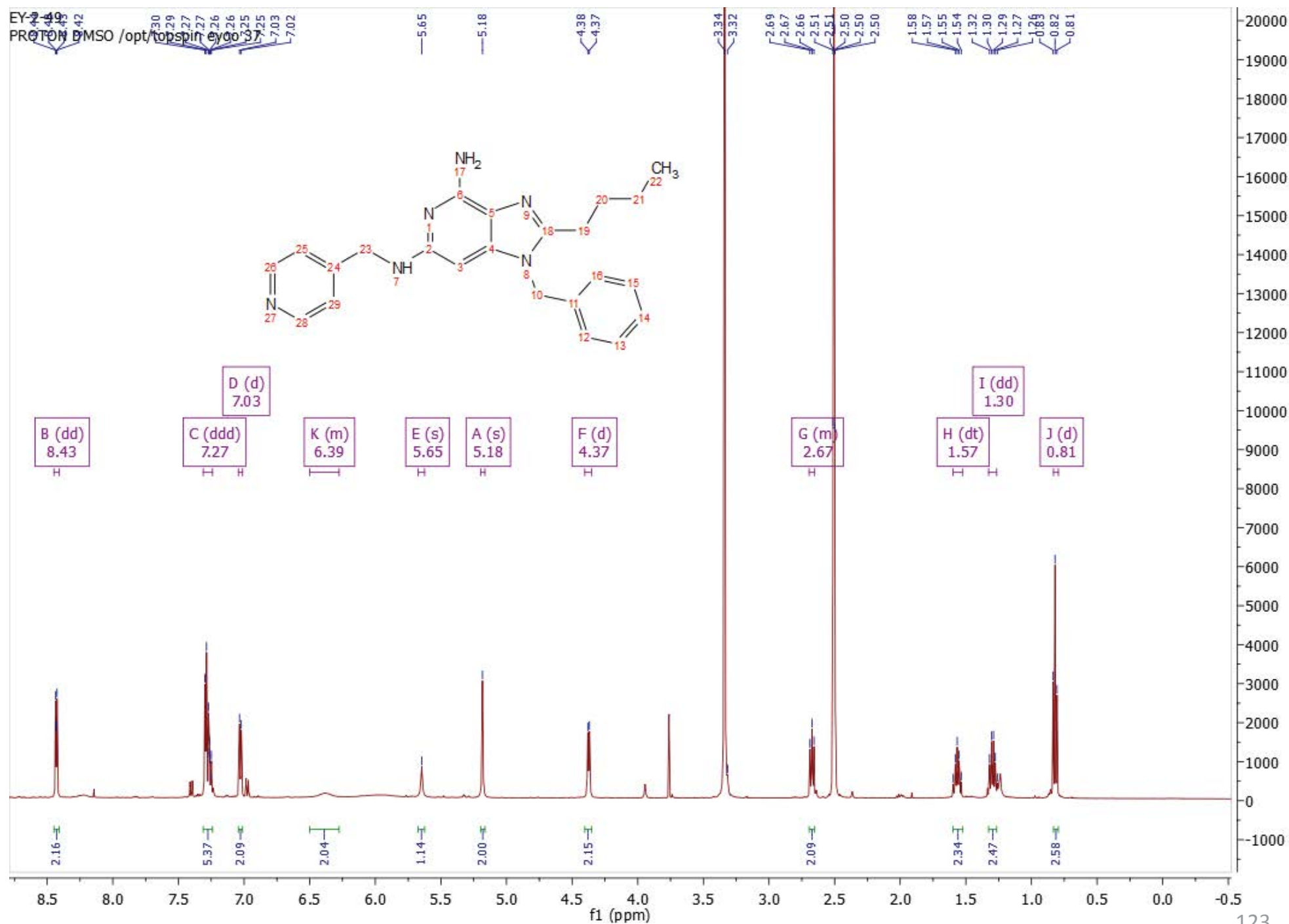


# 181 MS

Sample Name	05.18.12 EY-2-46 tub	Position	Vial 2	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.18.12 EY-2-46 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/18/2012 4:08:49 PM

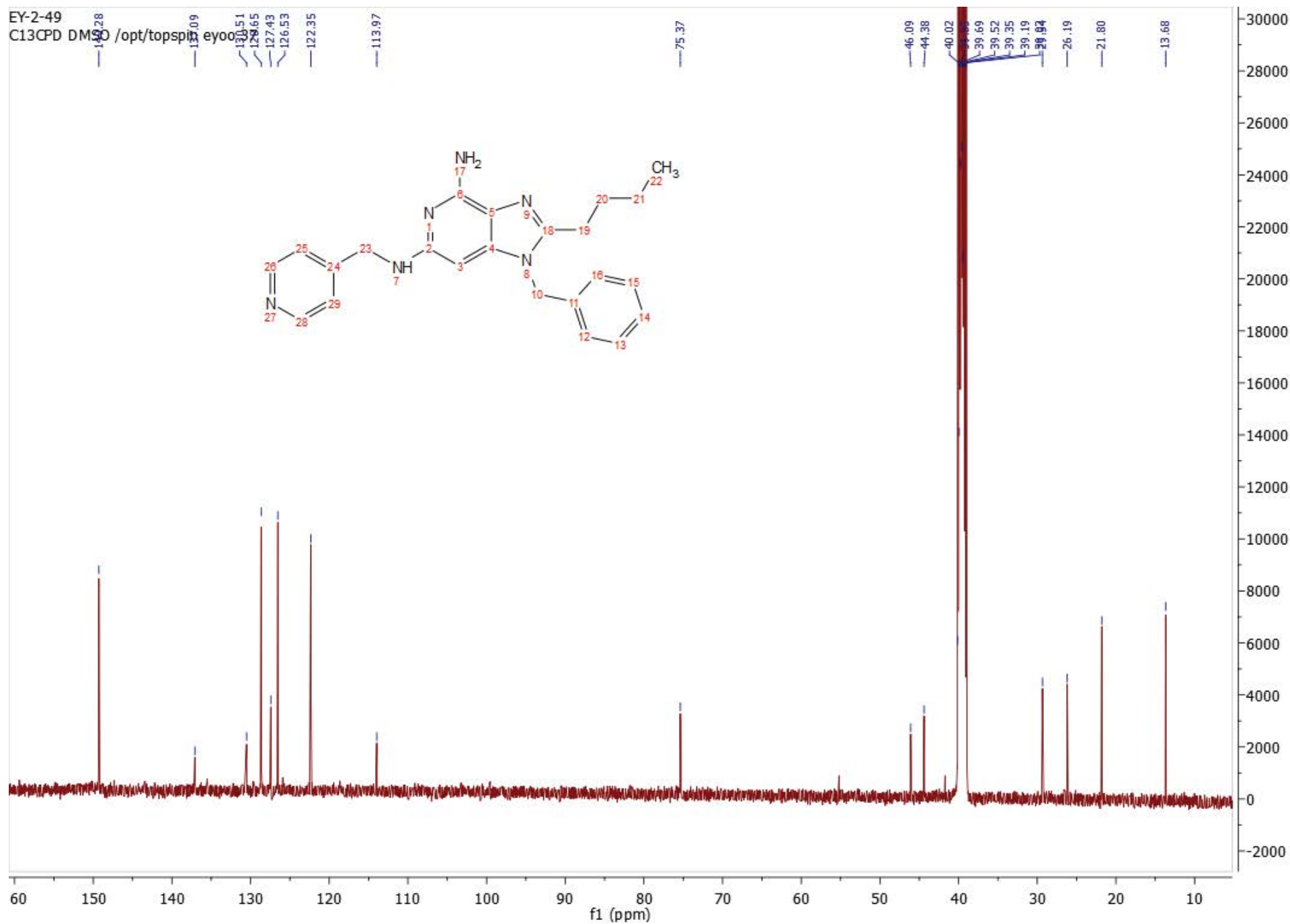


# <sup>1</sup>H NMR





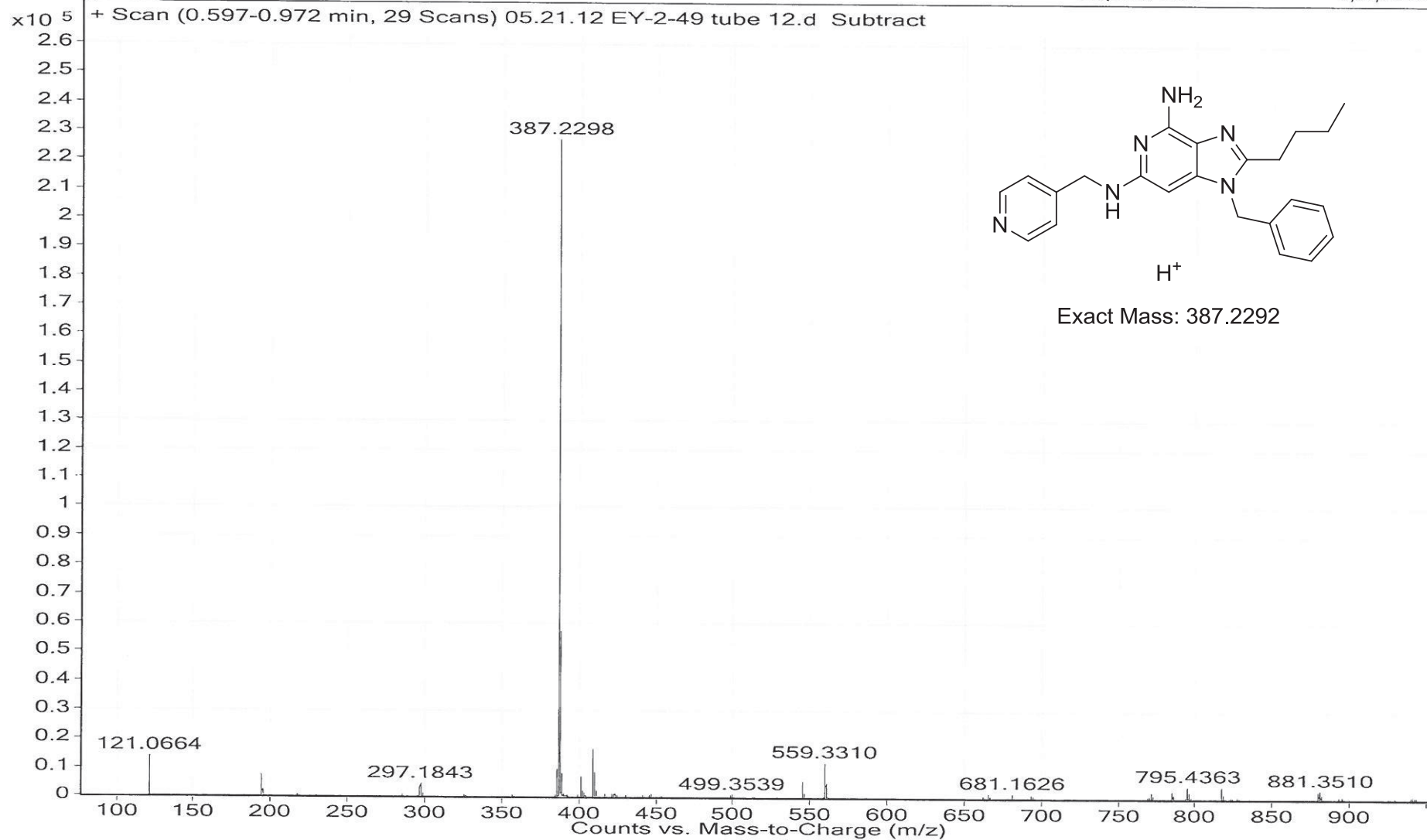
# **<sup>13</sup>C NMR**



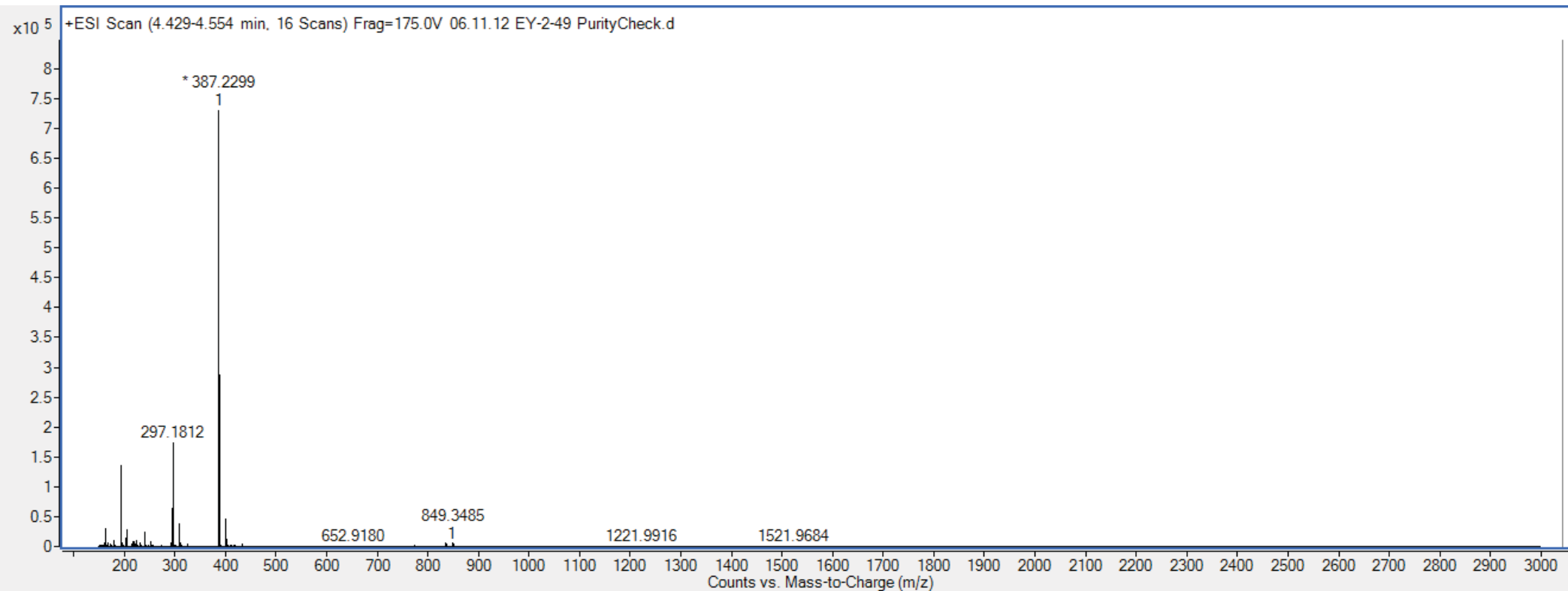
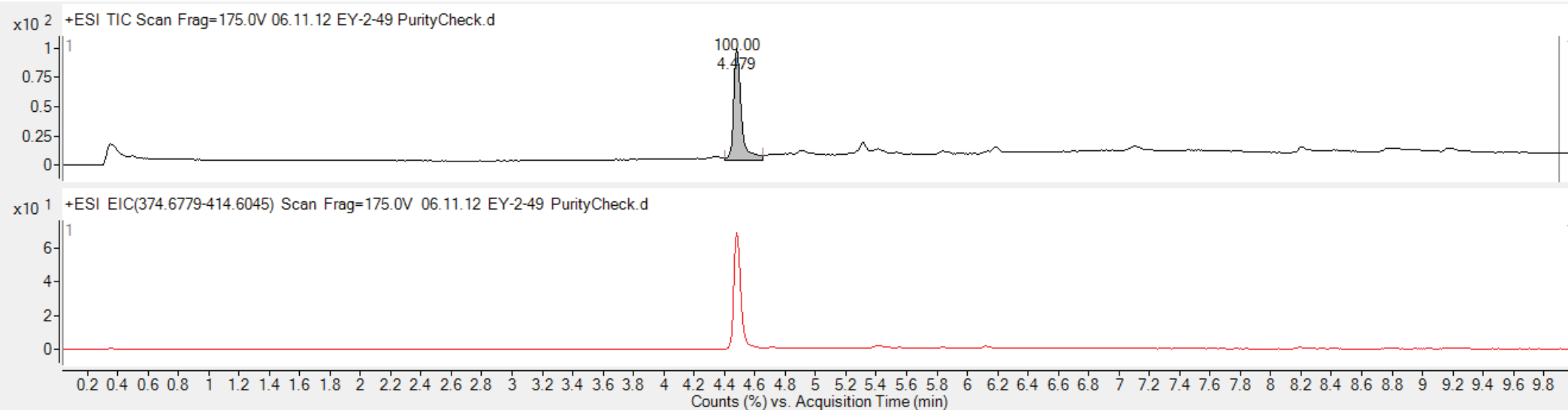


# 191 MS

Sample Name	05.21.12 EY-2-49 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.21.12 EY-2-49 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/21/2012 10:12:12 AM

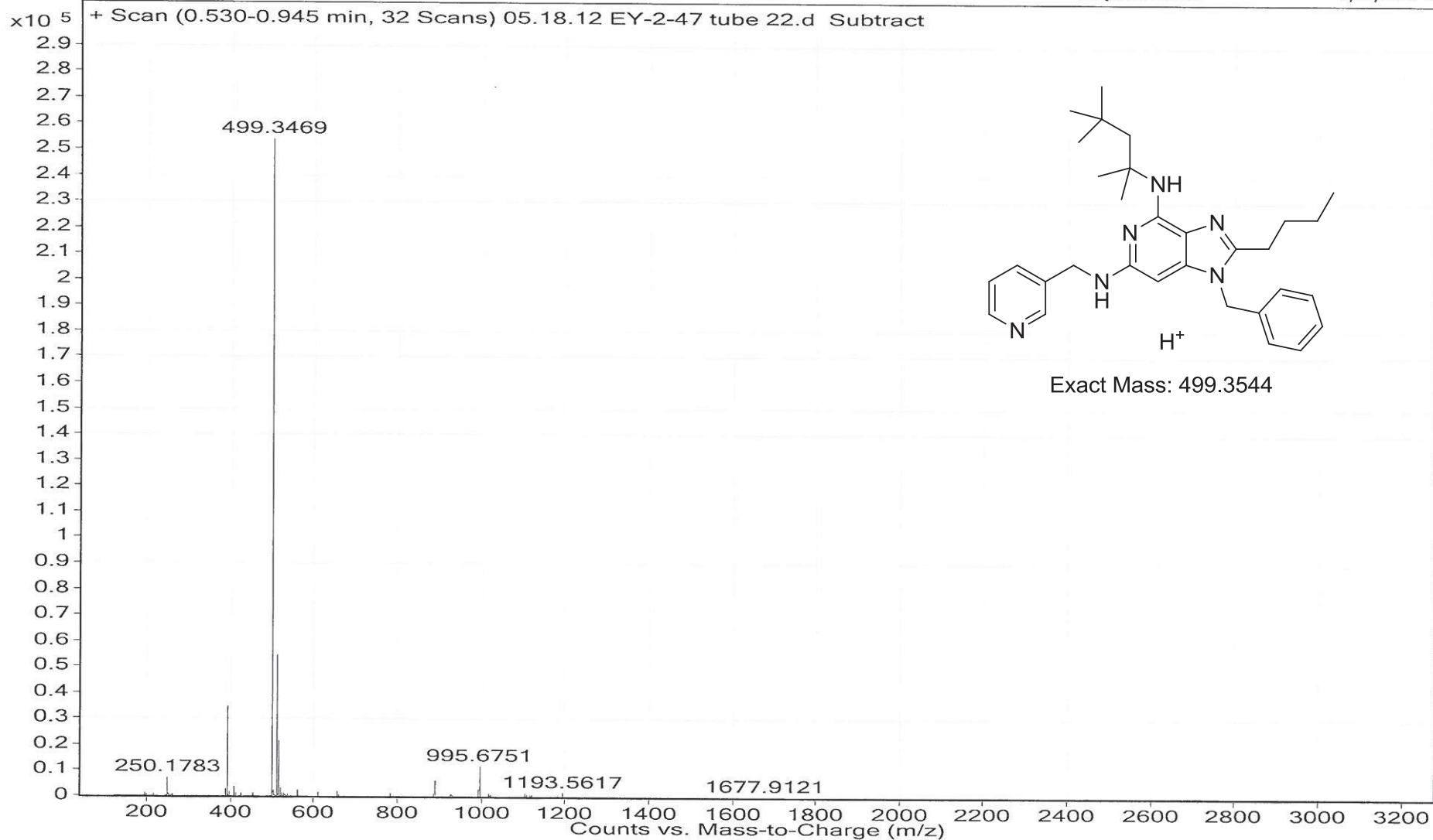


# 191 LC-MS

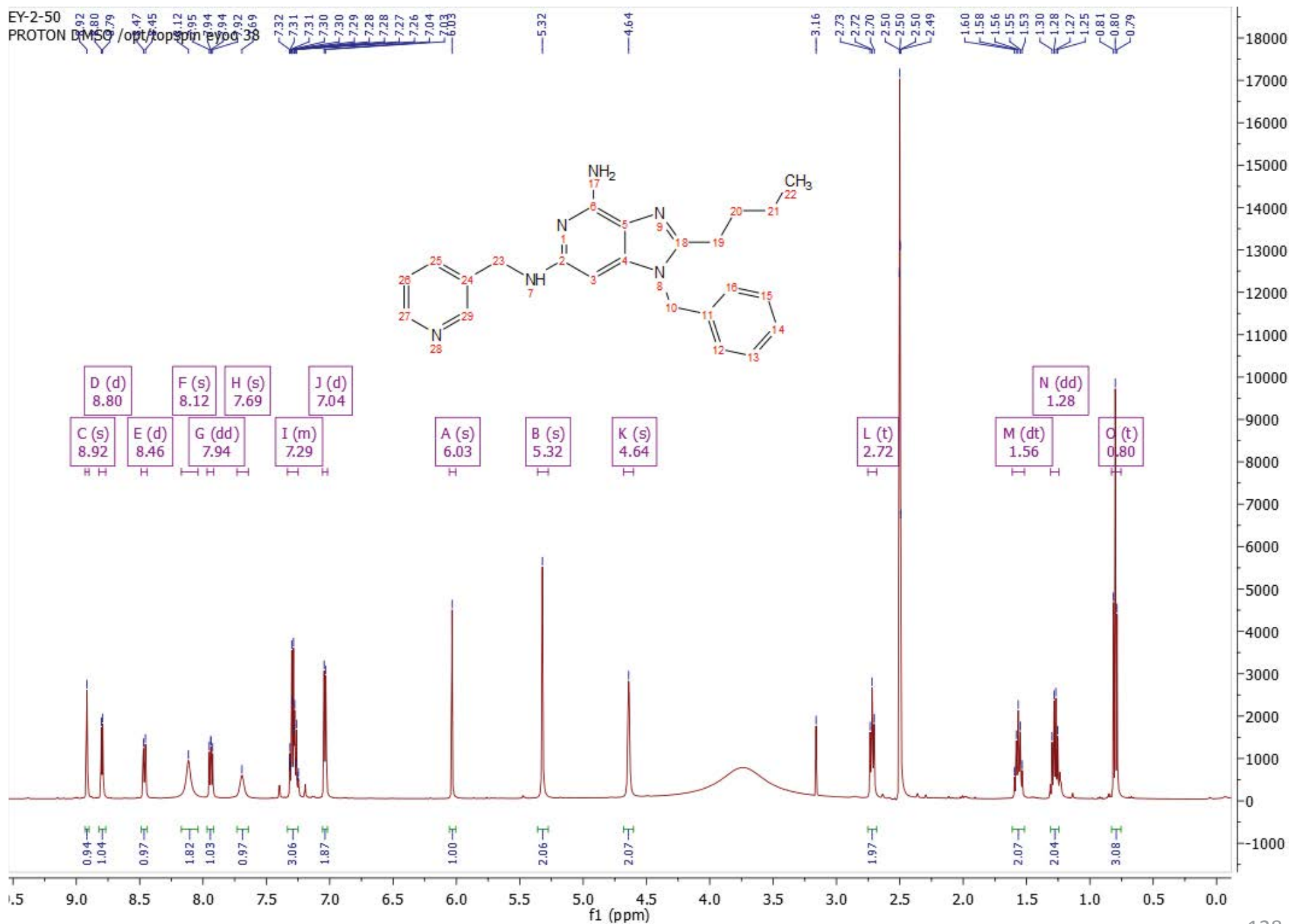


# 18m MS

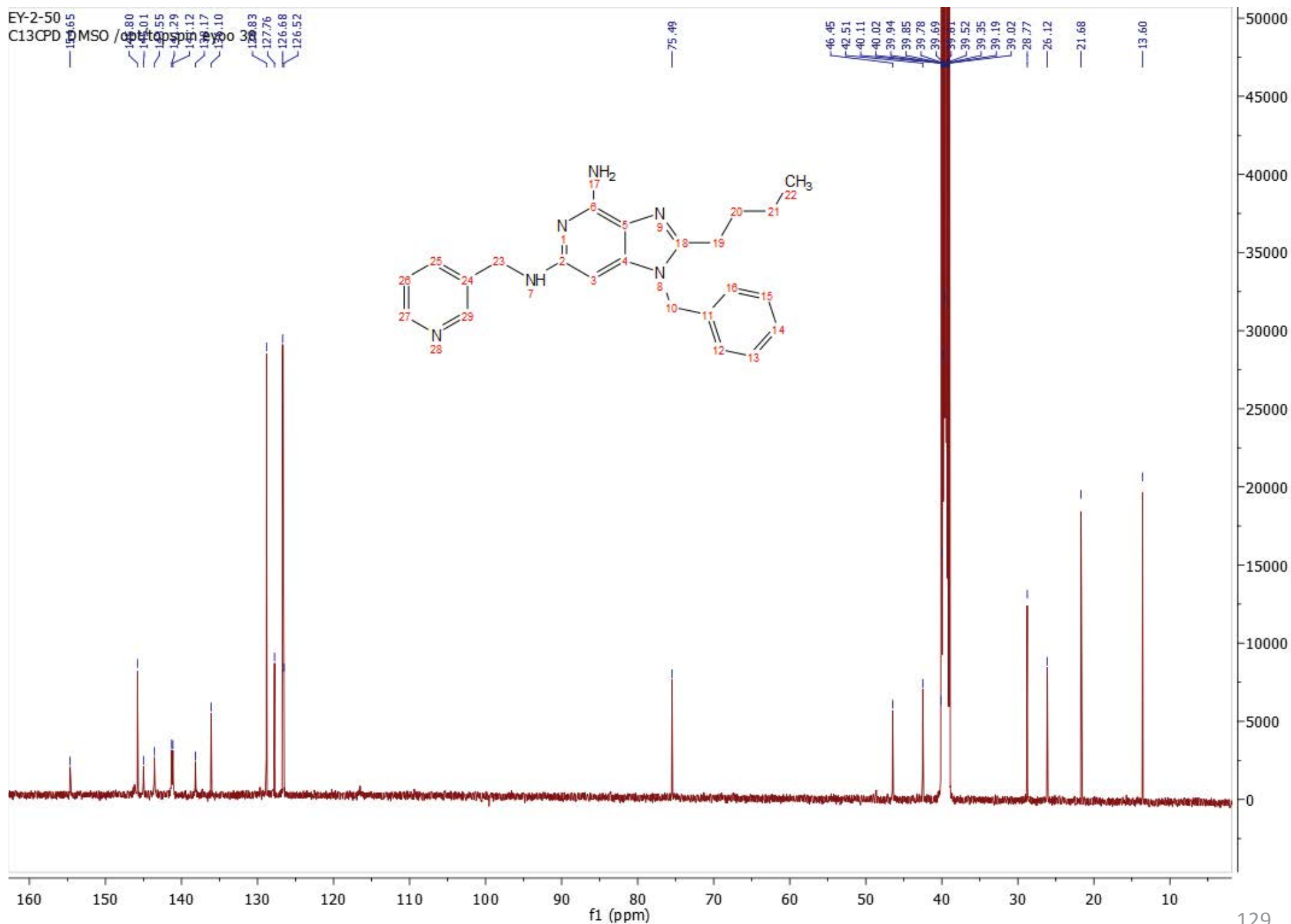
Sample Name	05.18.12 EY-2-47 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.18.12 EY-2-47 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/18/2012 4:04:43 PM



# 19m <sup>1</sup>H NMR

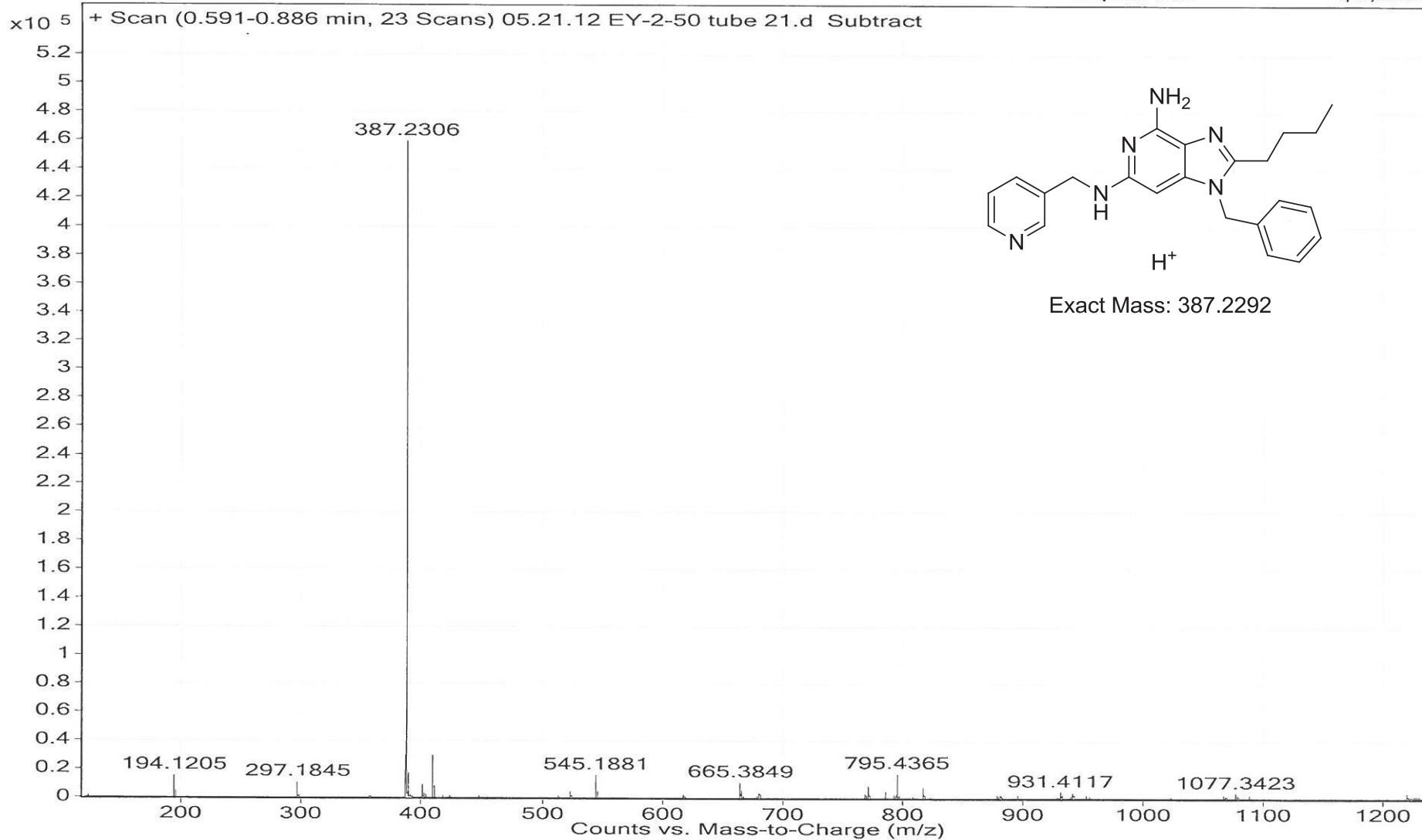


# 19m <sup>13</sup>C NMR

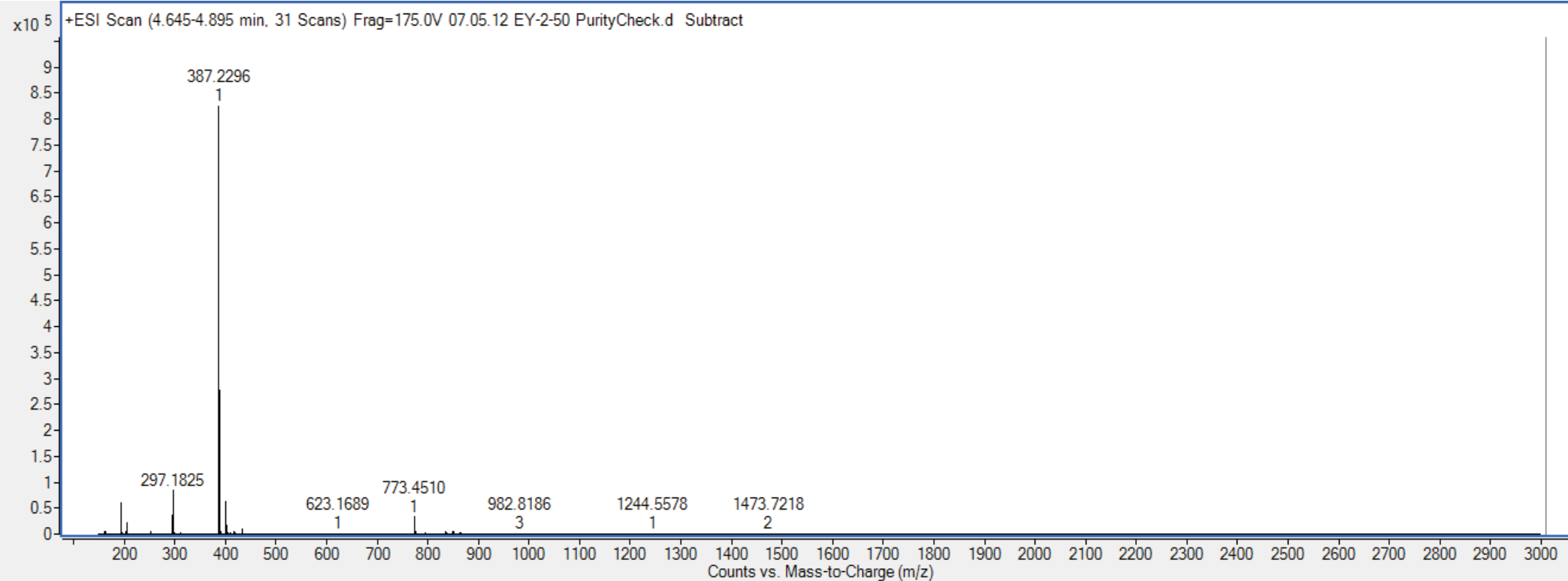
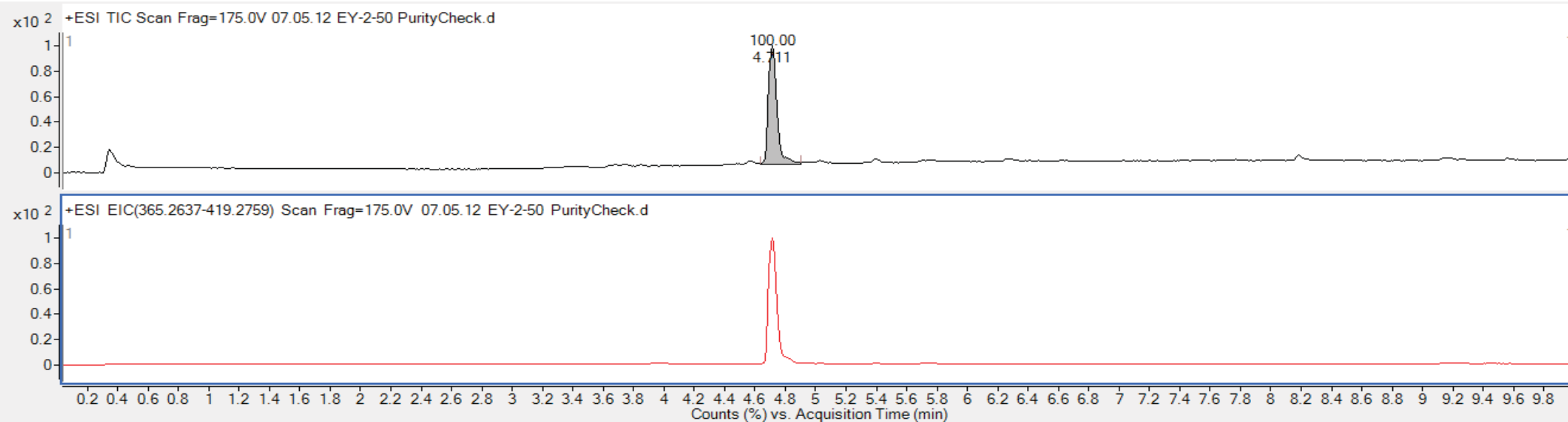


# 19m MS

Sample Name	05.21.12 EY-2-50 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.21.12 EY-2-50 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/21/2012 10:28:35 AM



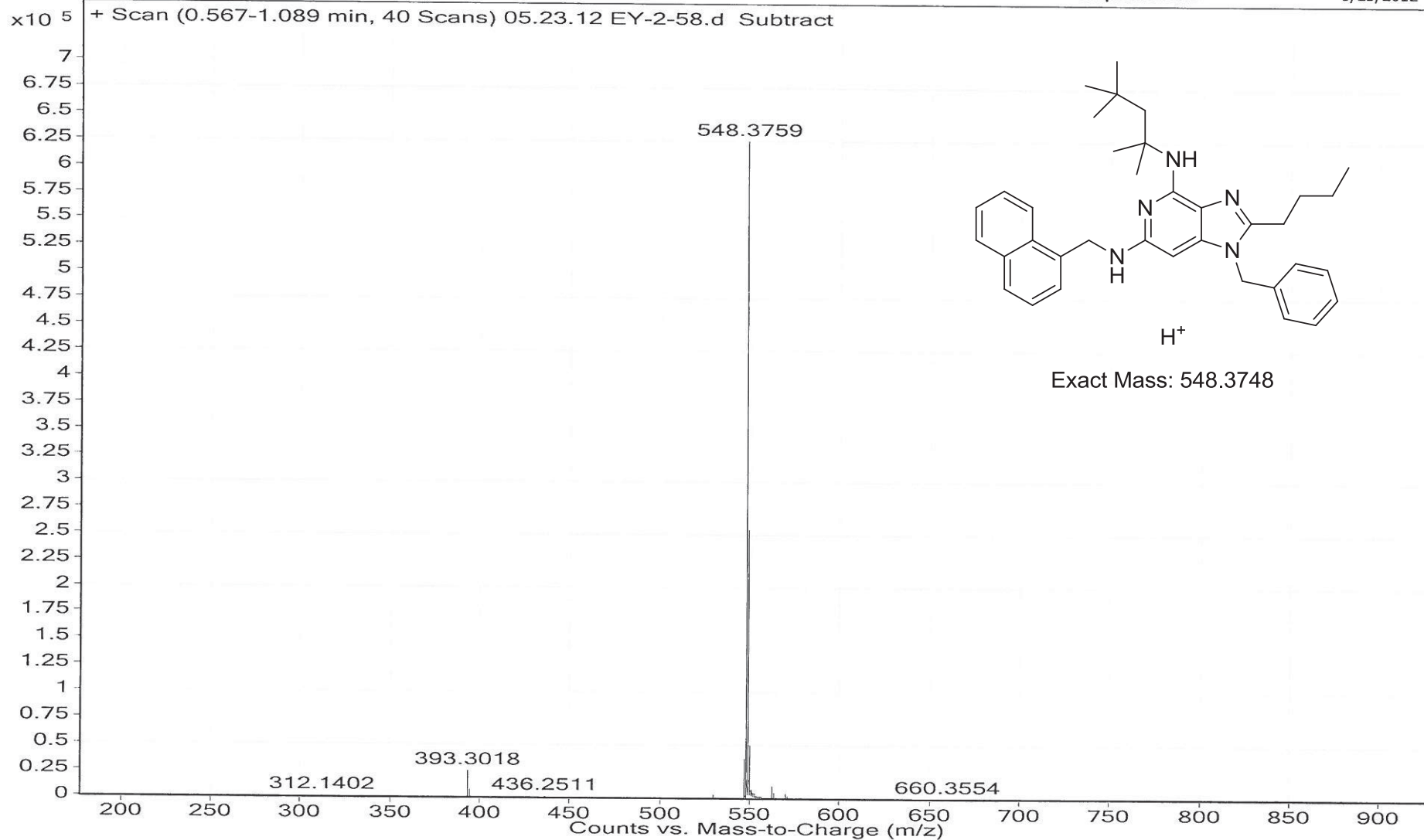
# 19m LC-MS



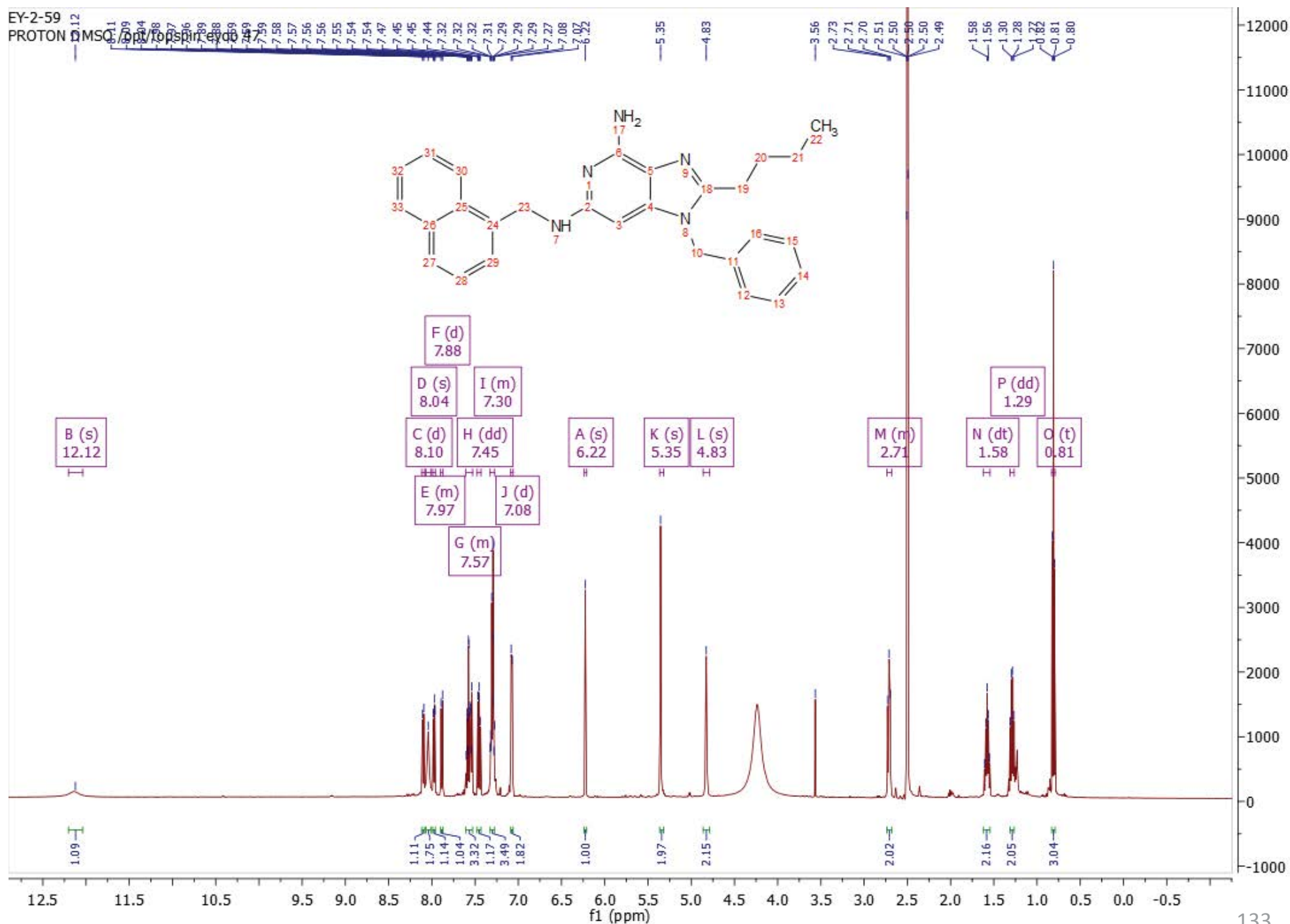


# 18n MS

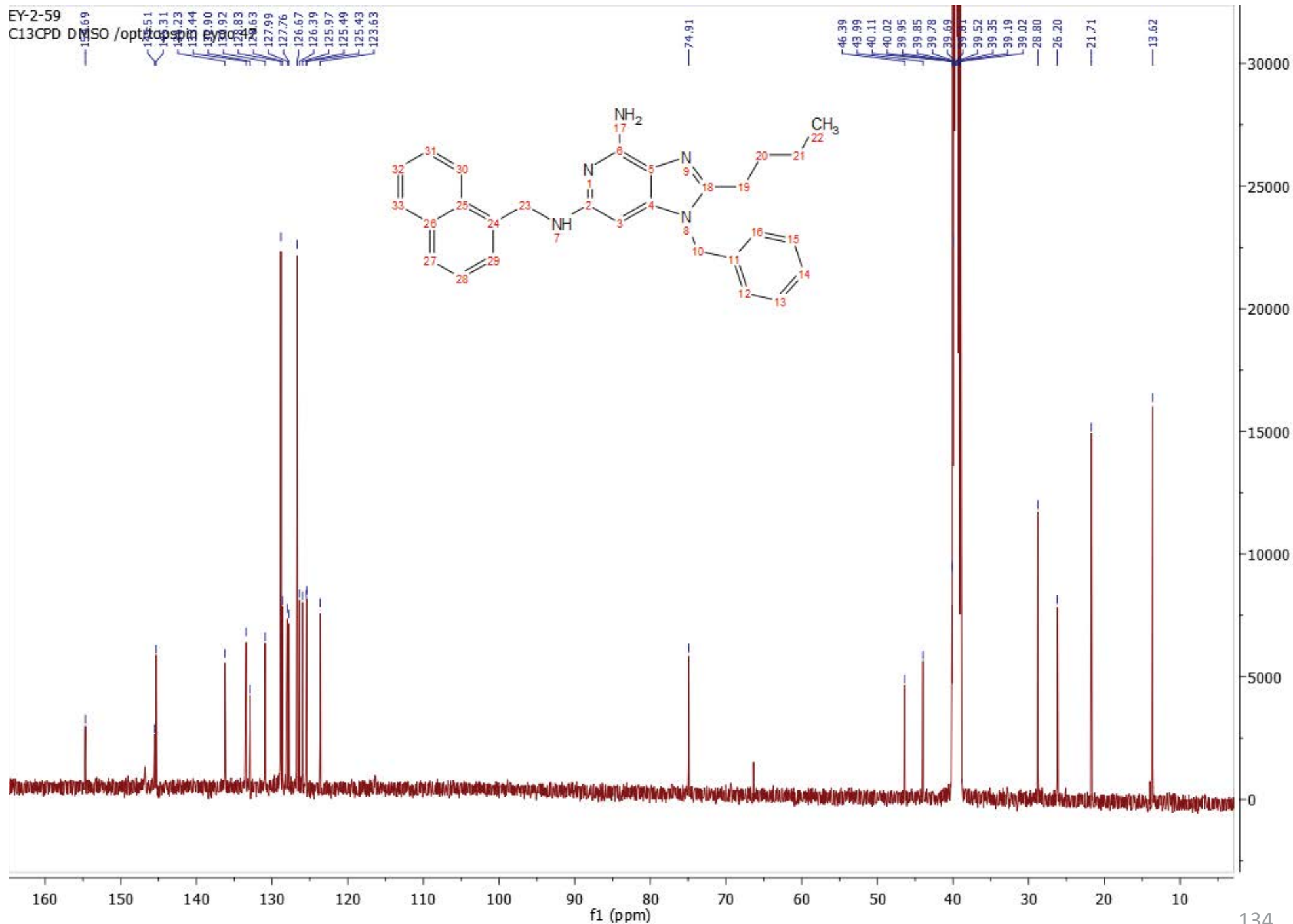
Sample Name	05.23.12 EY-2-58	Position	Vial 2	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.23.12 EY-2-58.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/23/2012 4:01:34 PM



# 19n <sup>1</sup>H NMR

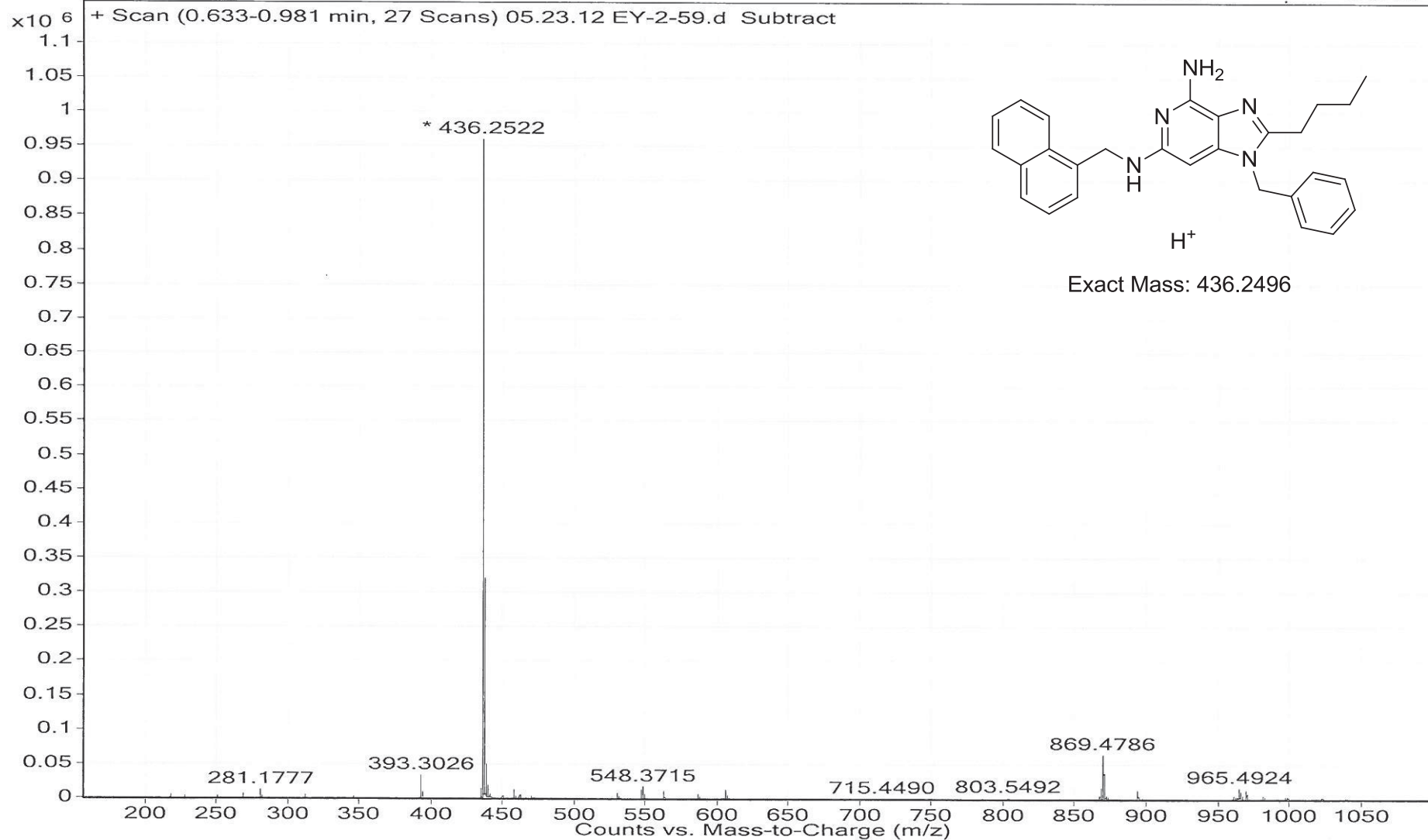


# 19n <sup>13</sup>C NMR

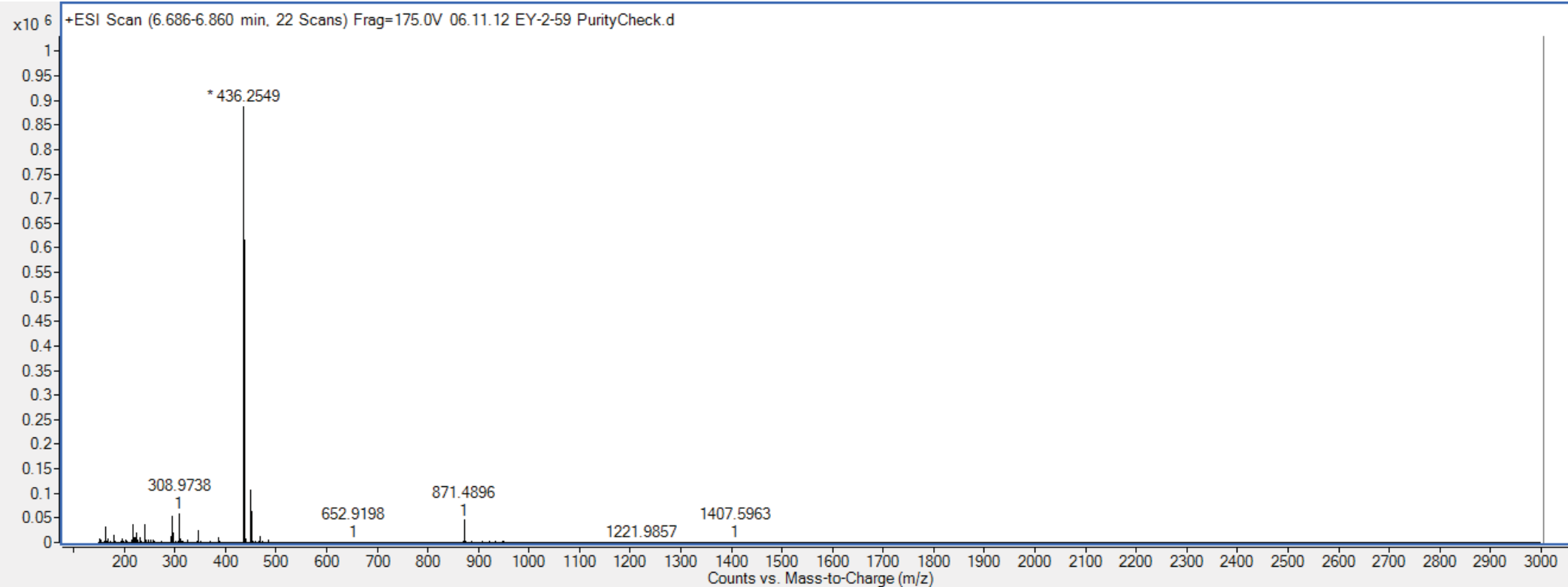
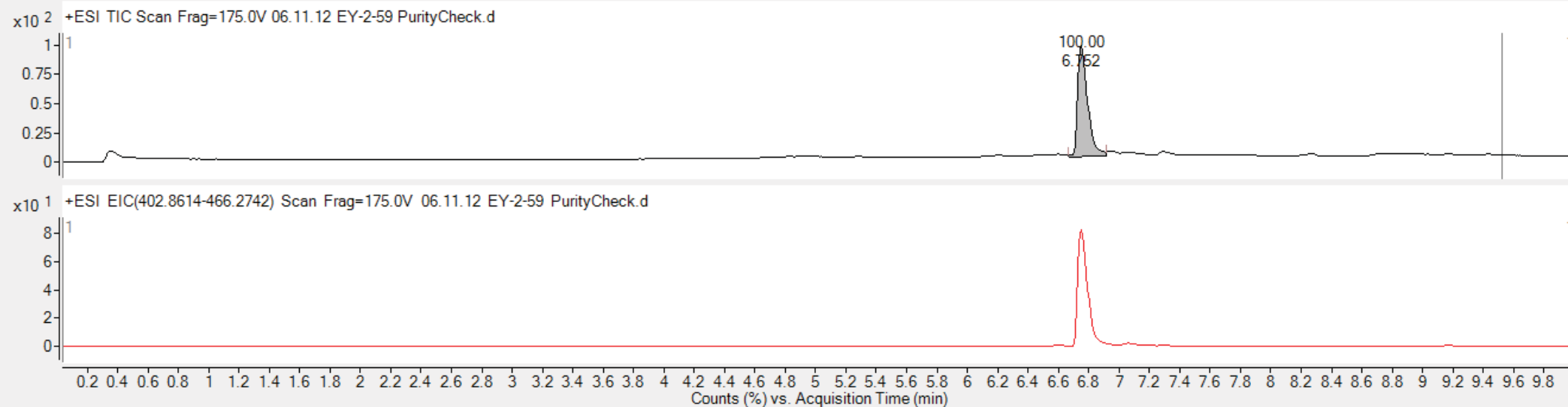


# 19n MS

Sample Name	05.23.12 EY-2-59	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.23.12 EY-2-59.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/23/2012 5:13:39 PM

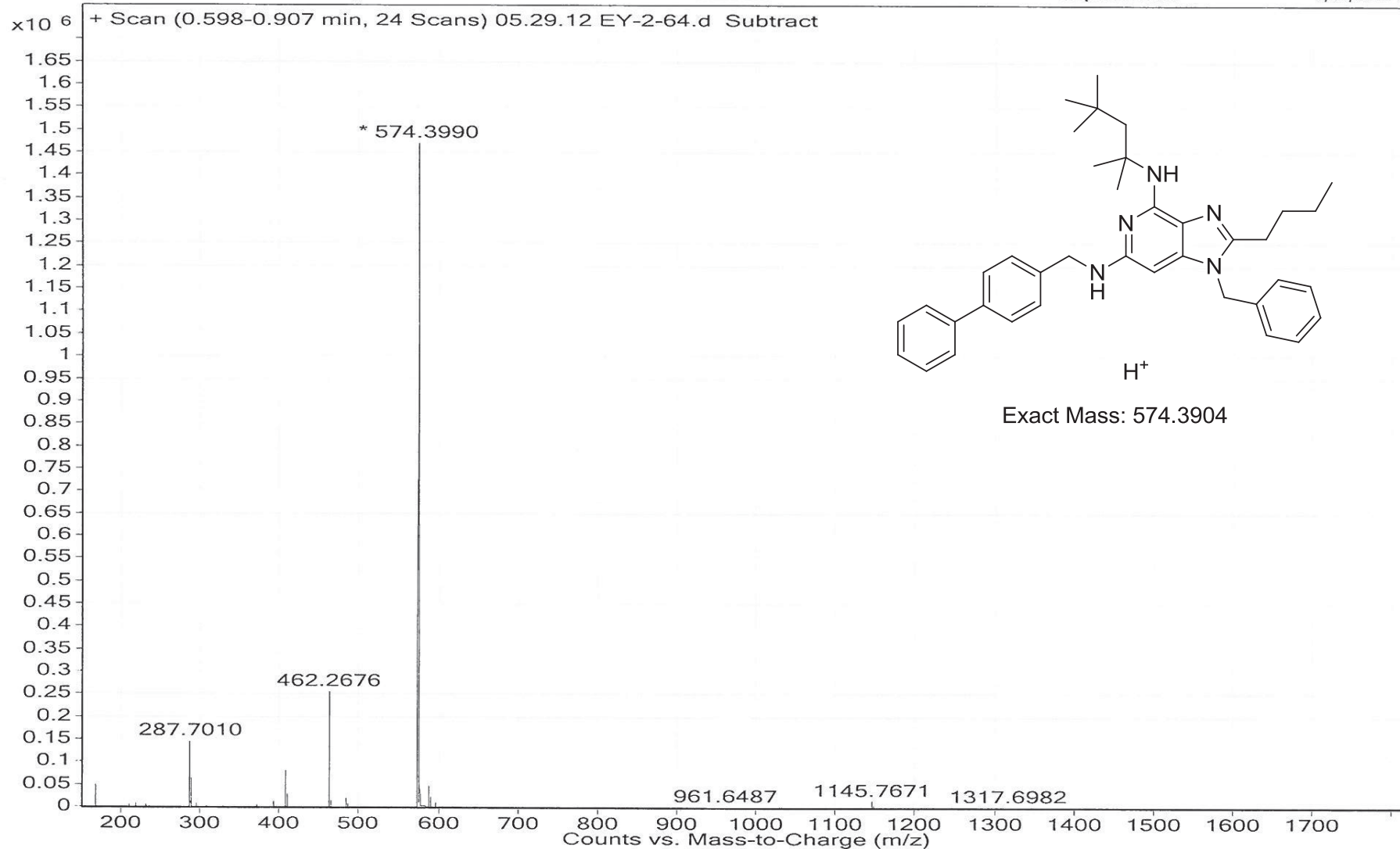


# 19n LC-MS



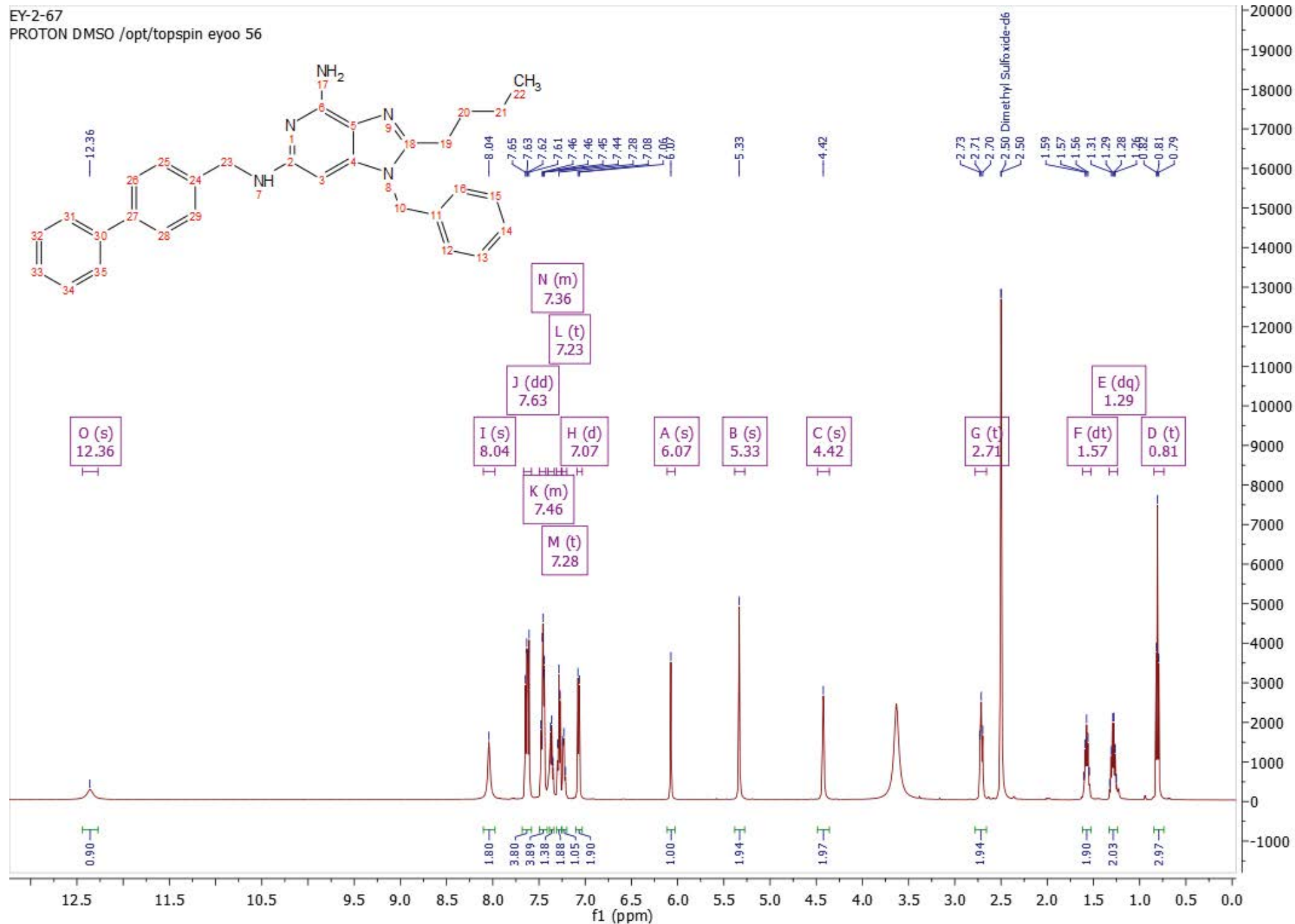
# 180 MS

Sample Name	05.29.12 EY-2-64	Position	Vial 3	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.29.12 EY-2-64.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/29/2012 3:21:30 PM



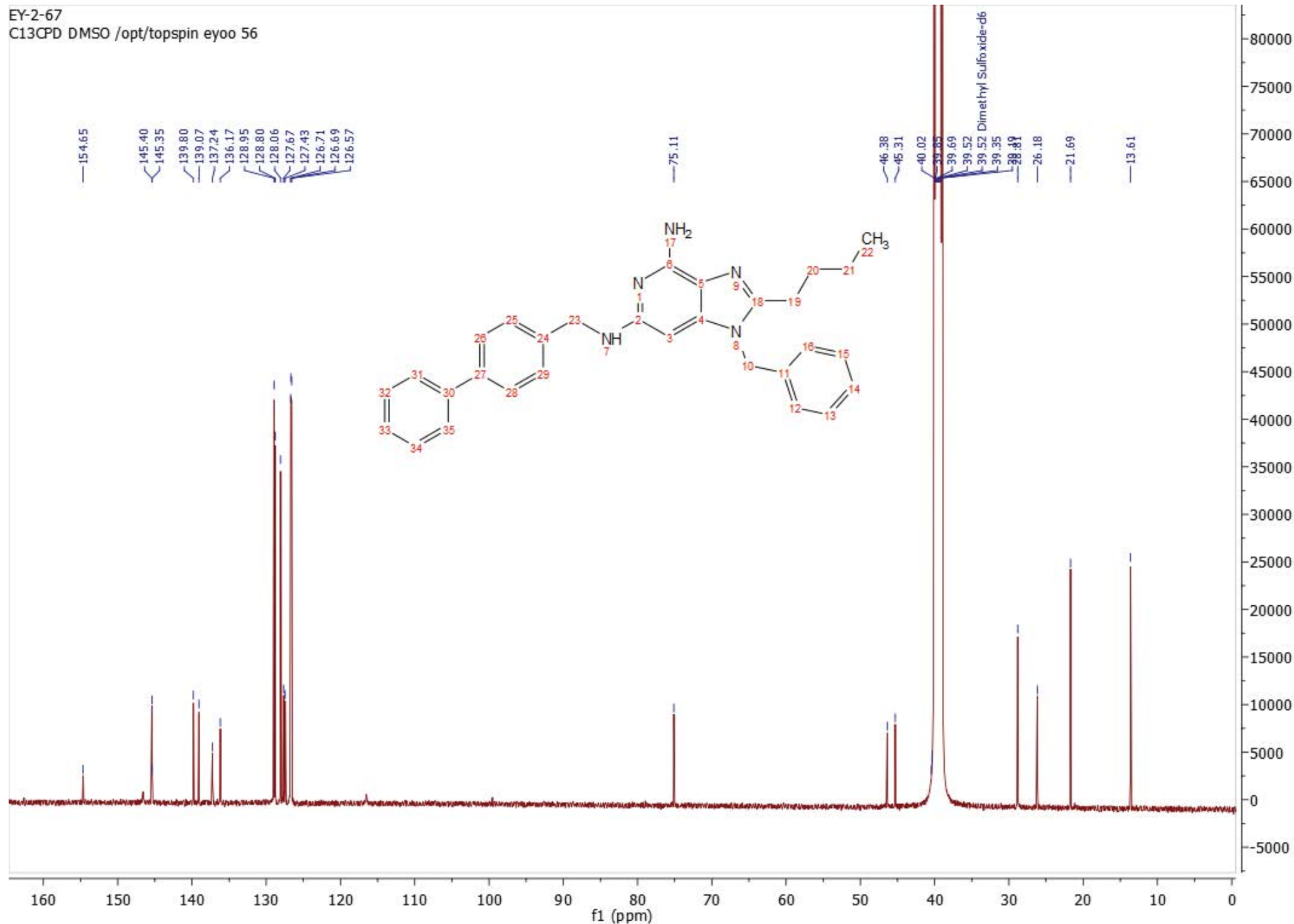


# 190 <sup>1</sup>H NMR



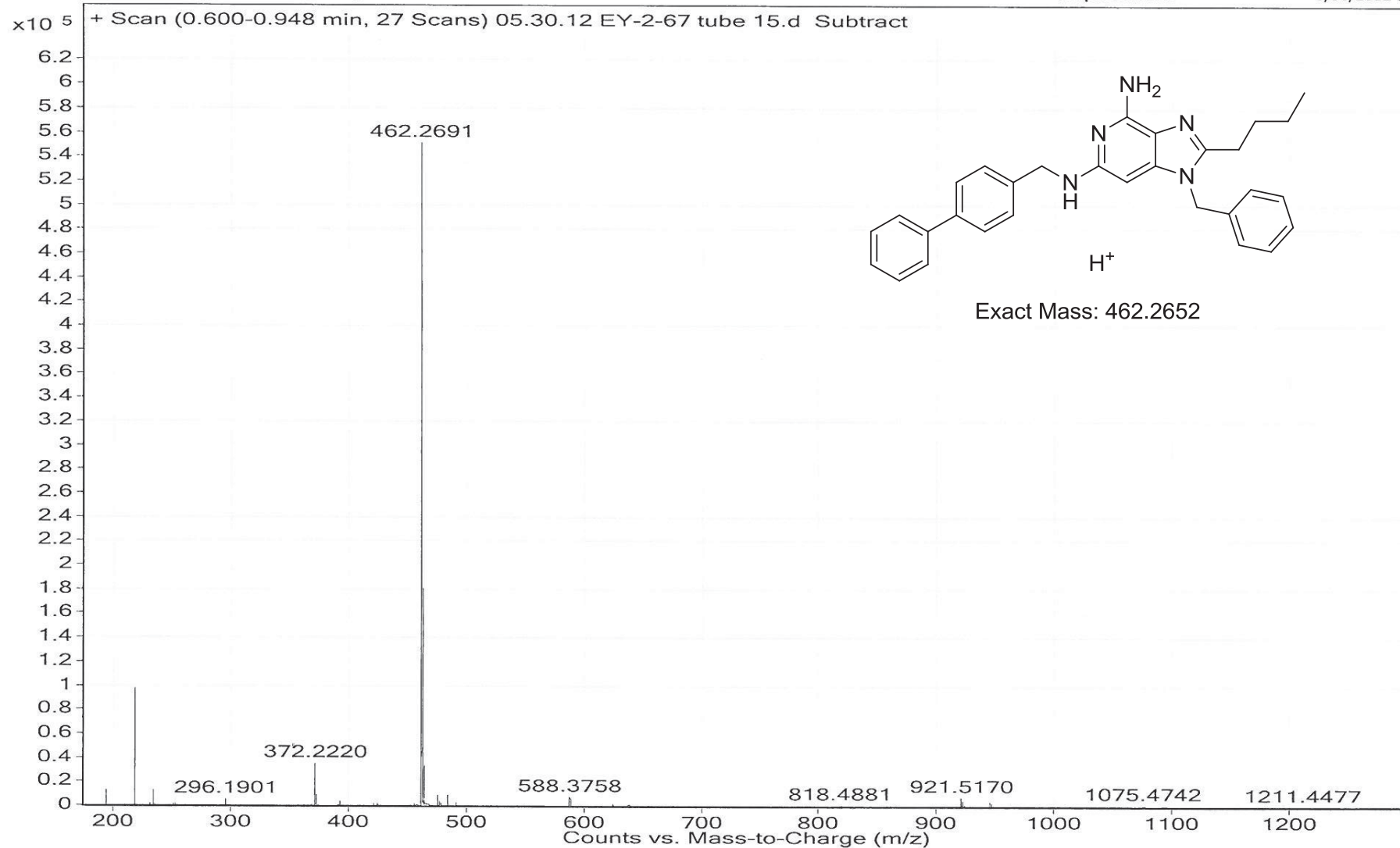


# **190** <sup>13</sup>C NMR

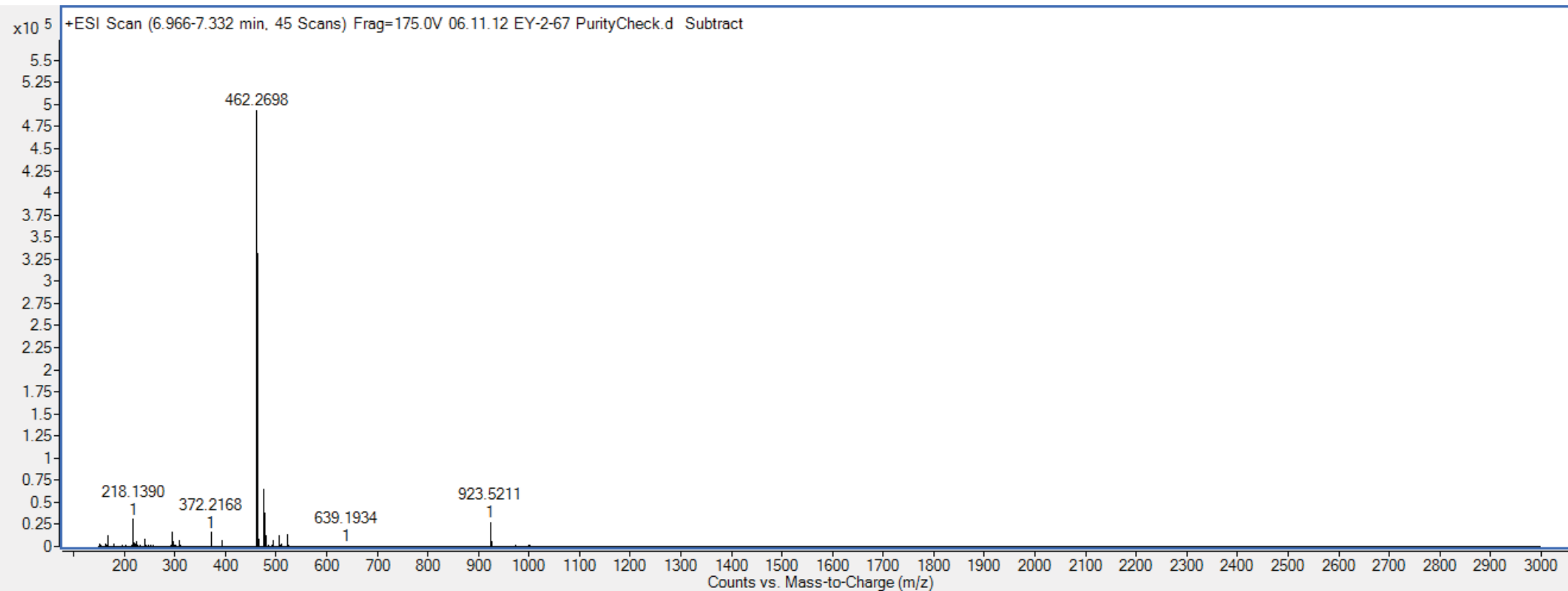
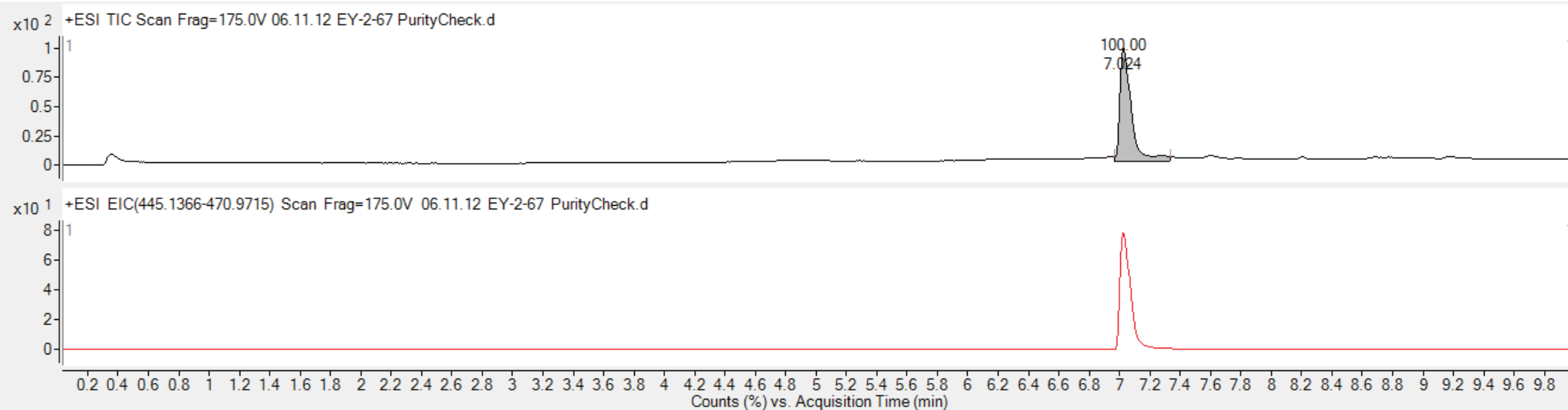


190 MS

Sample Name	05.30.12 EY-2-67 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.30.12 EY-2-67 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/30/2012 5:11:56 PM

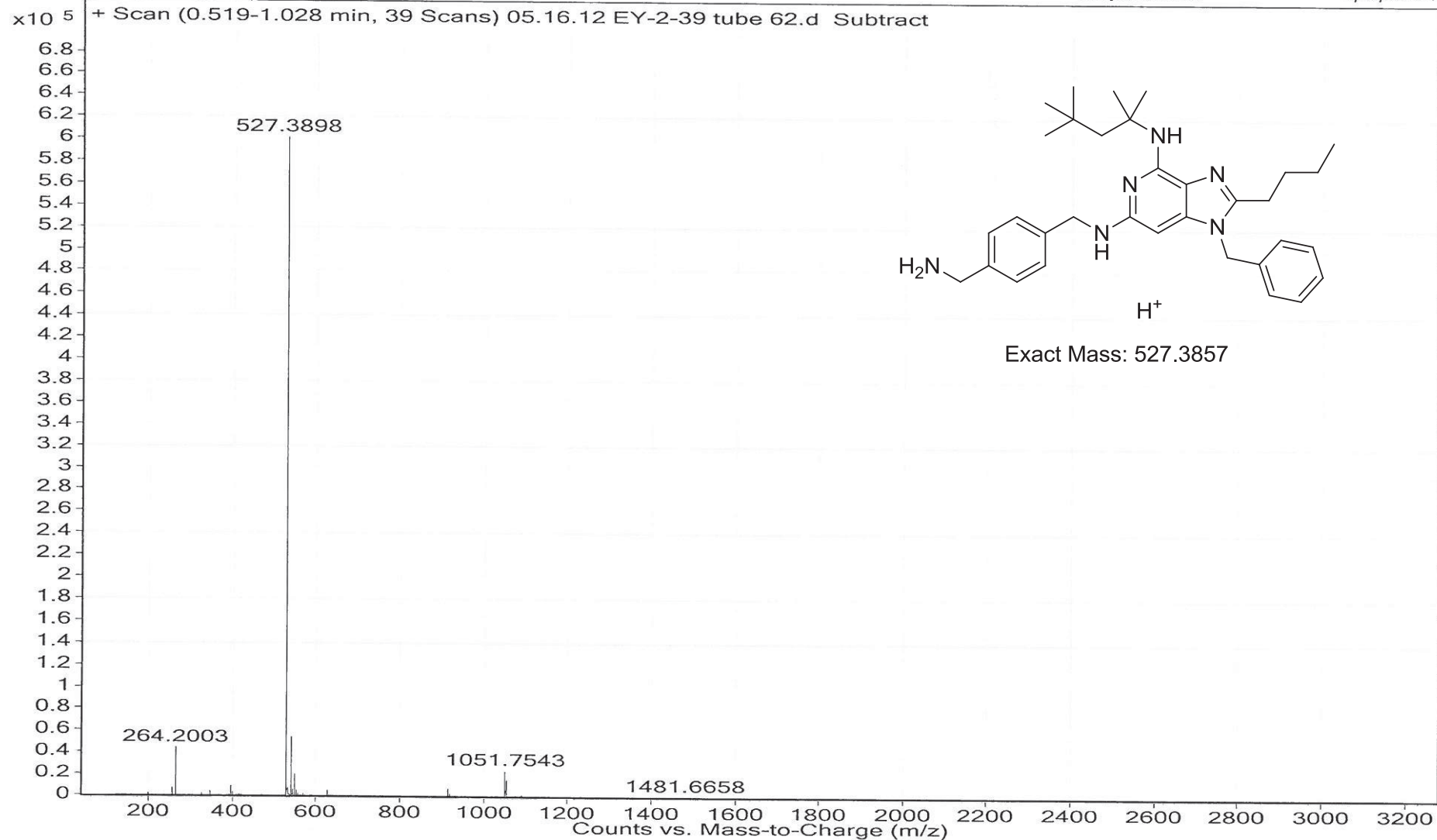


# 190 LC-MS

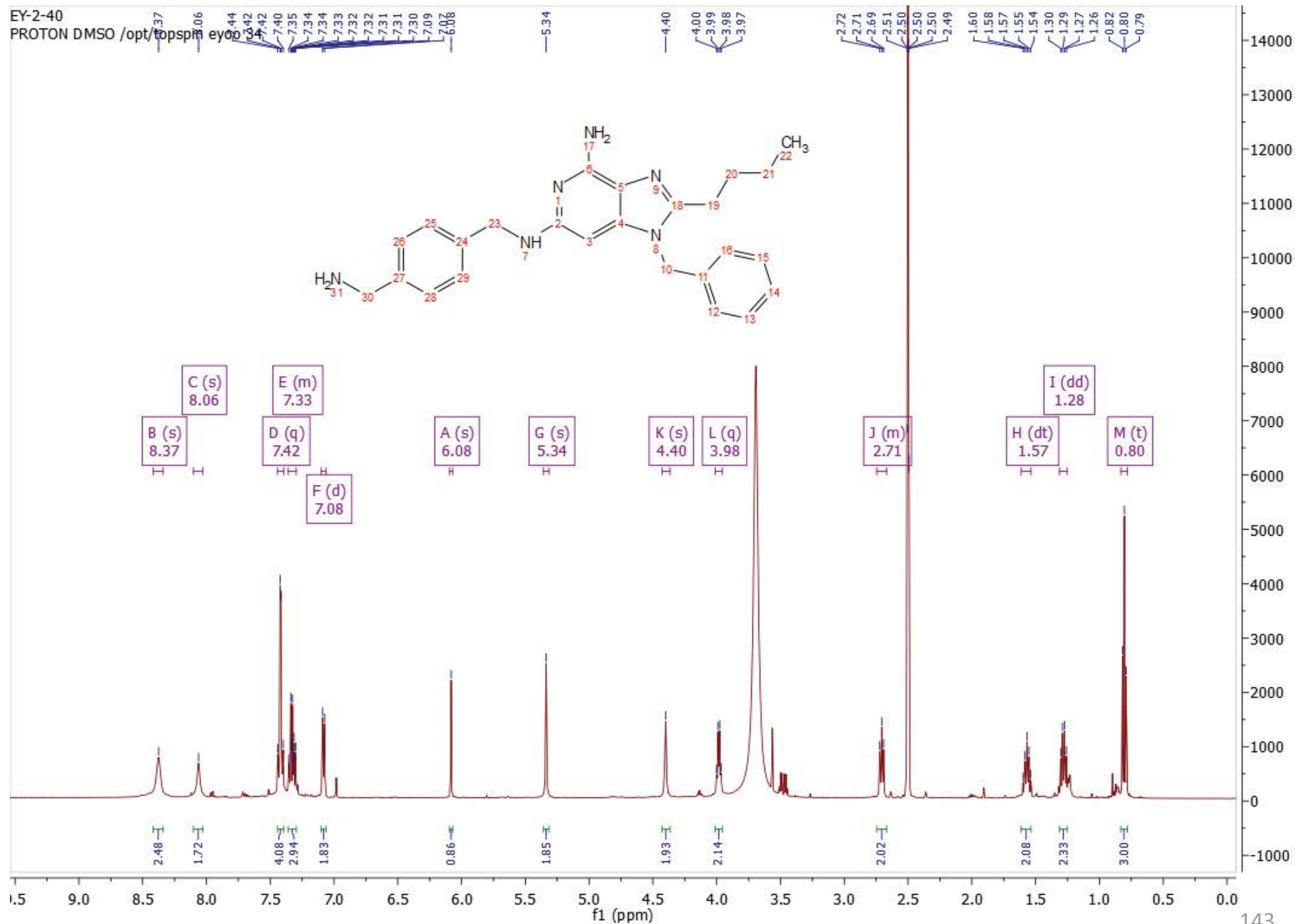


# 18p MS

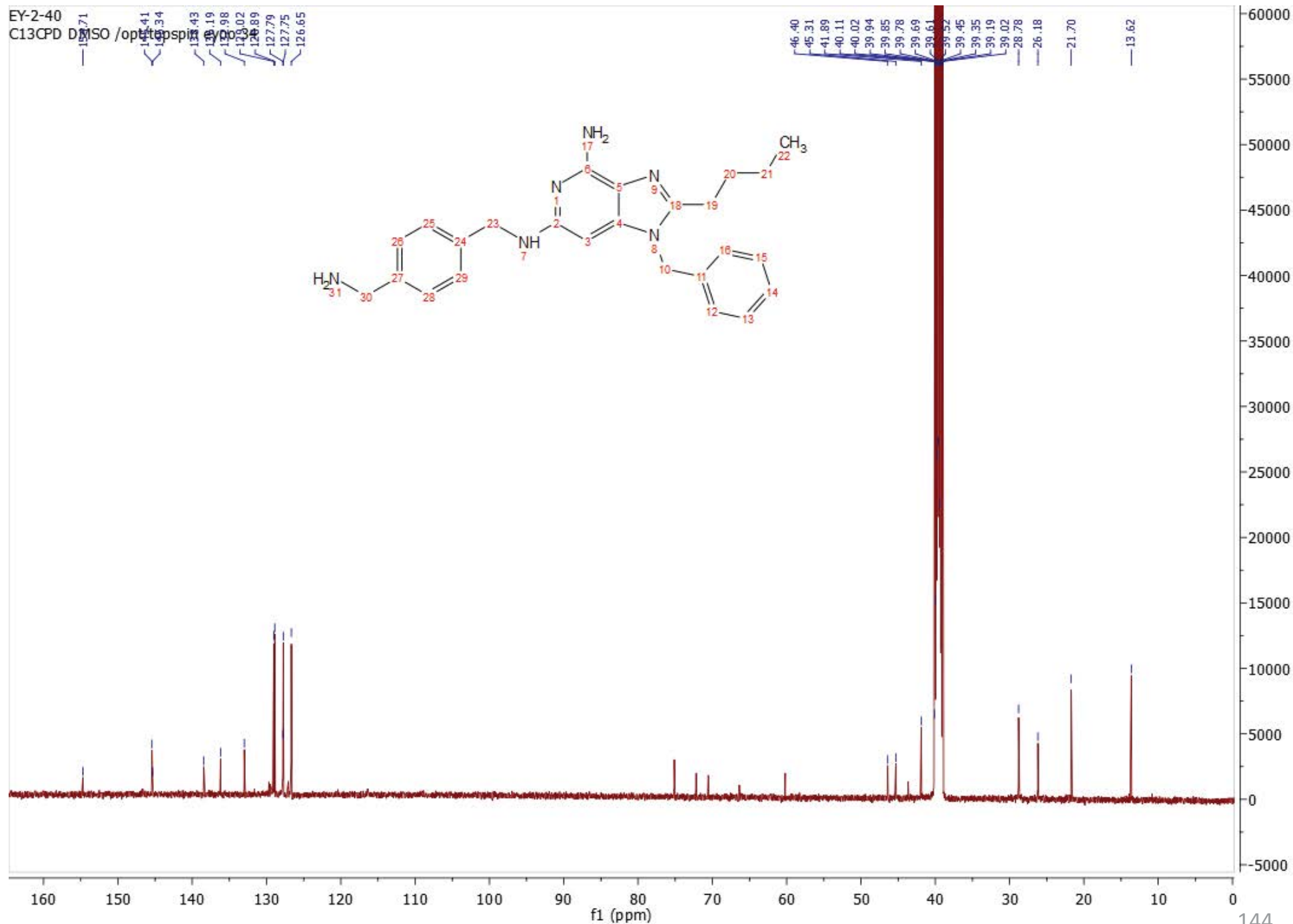
Sample Name	05.16.12 EY-2-39 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.16.12 EY-2-39 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/16/2012 6:25:51 PM



# 19p <sup>1</sup>H NMR

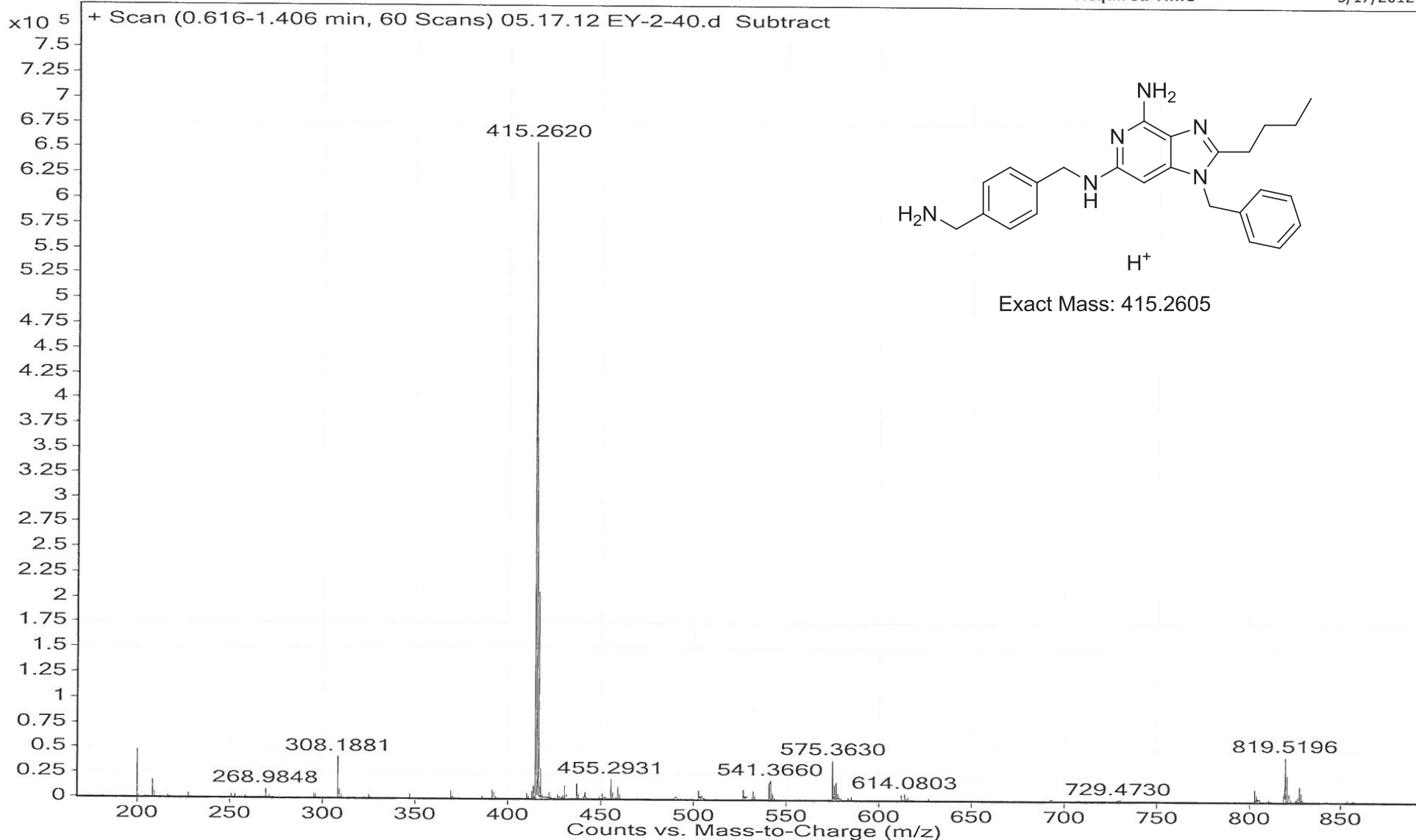


# 19p <sup>13</sup>C NMR



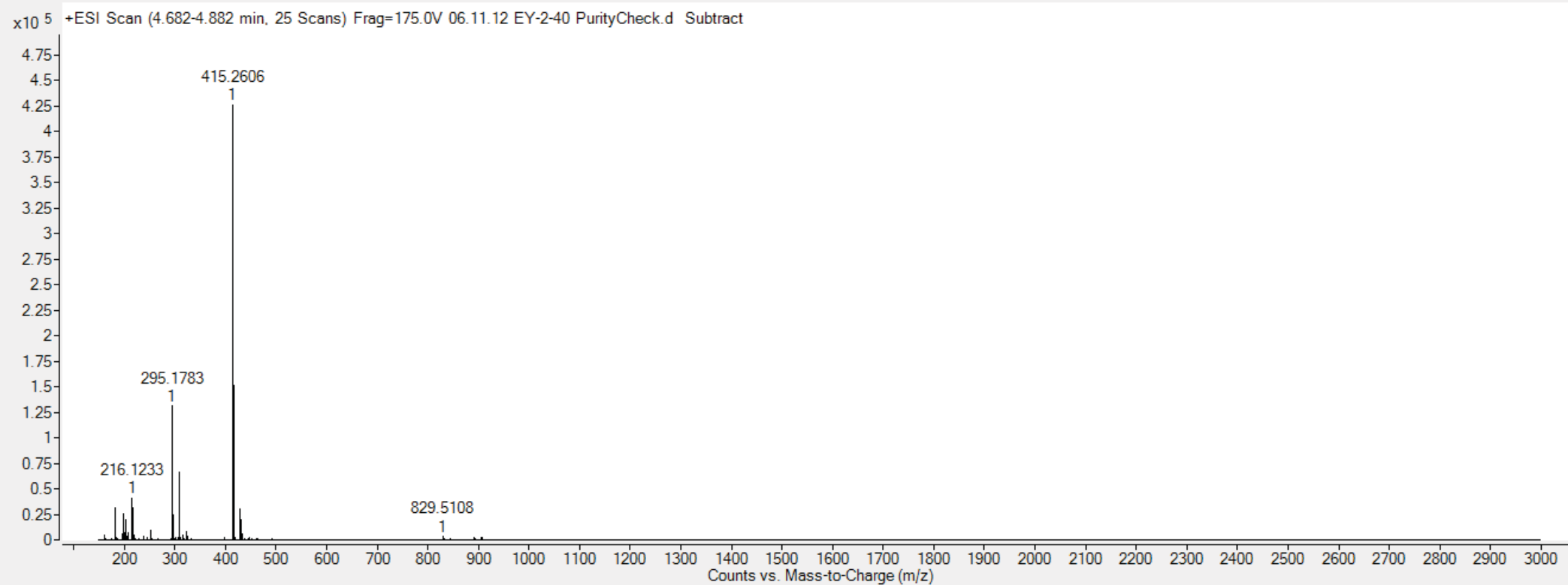
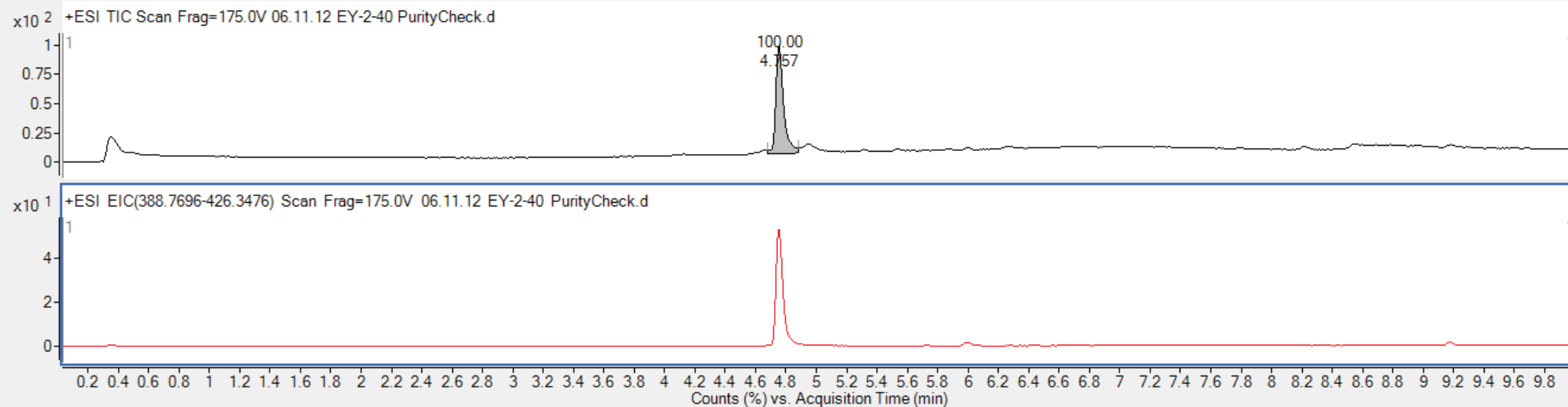
# 19p MS

Sample Name	05.17.12 EY-2-40	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.17.12 EY-2-40.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/17/2012 11:06:05 AM

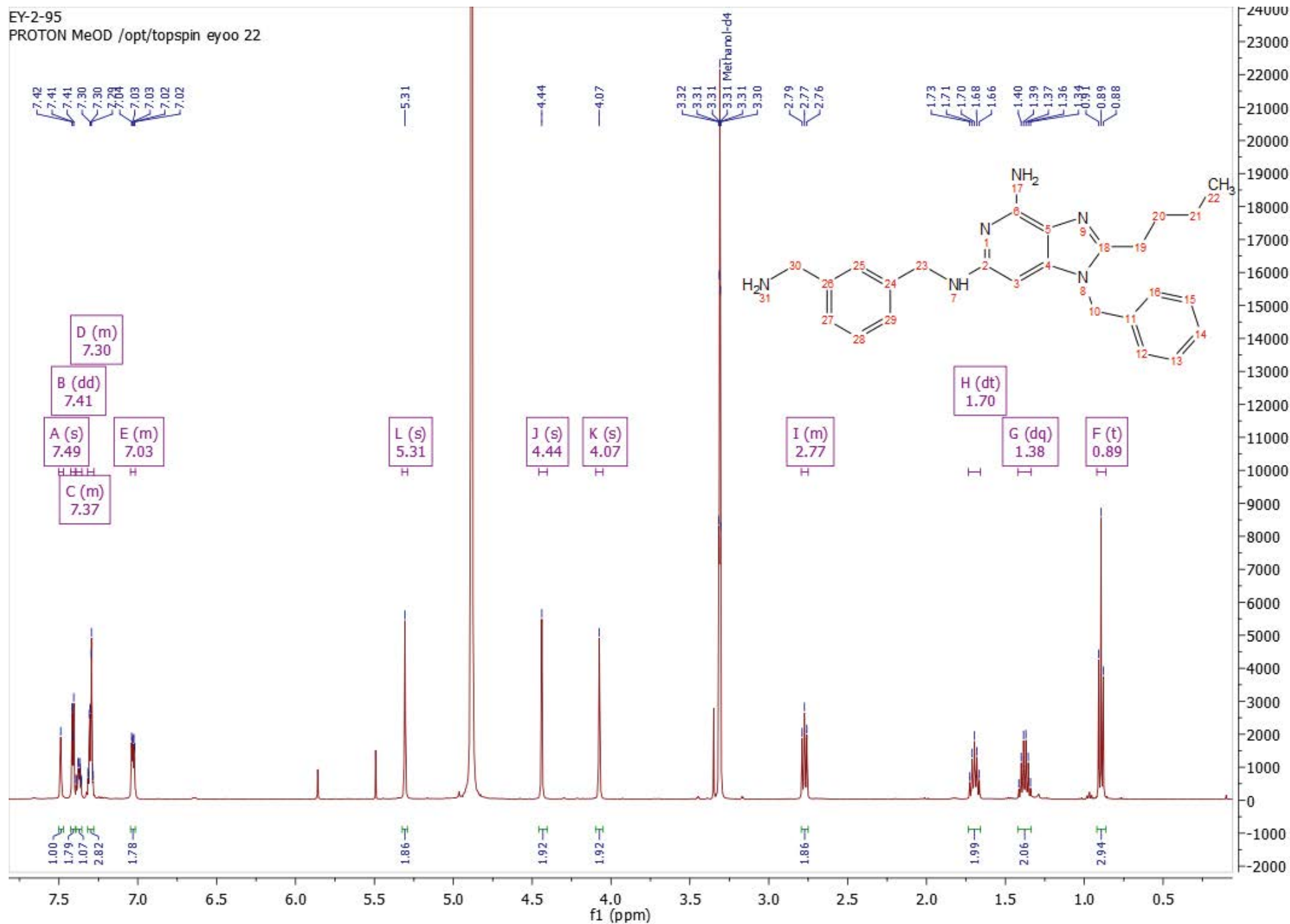




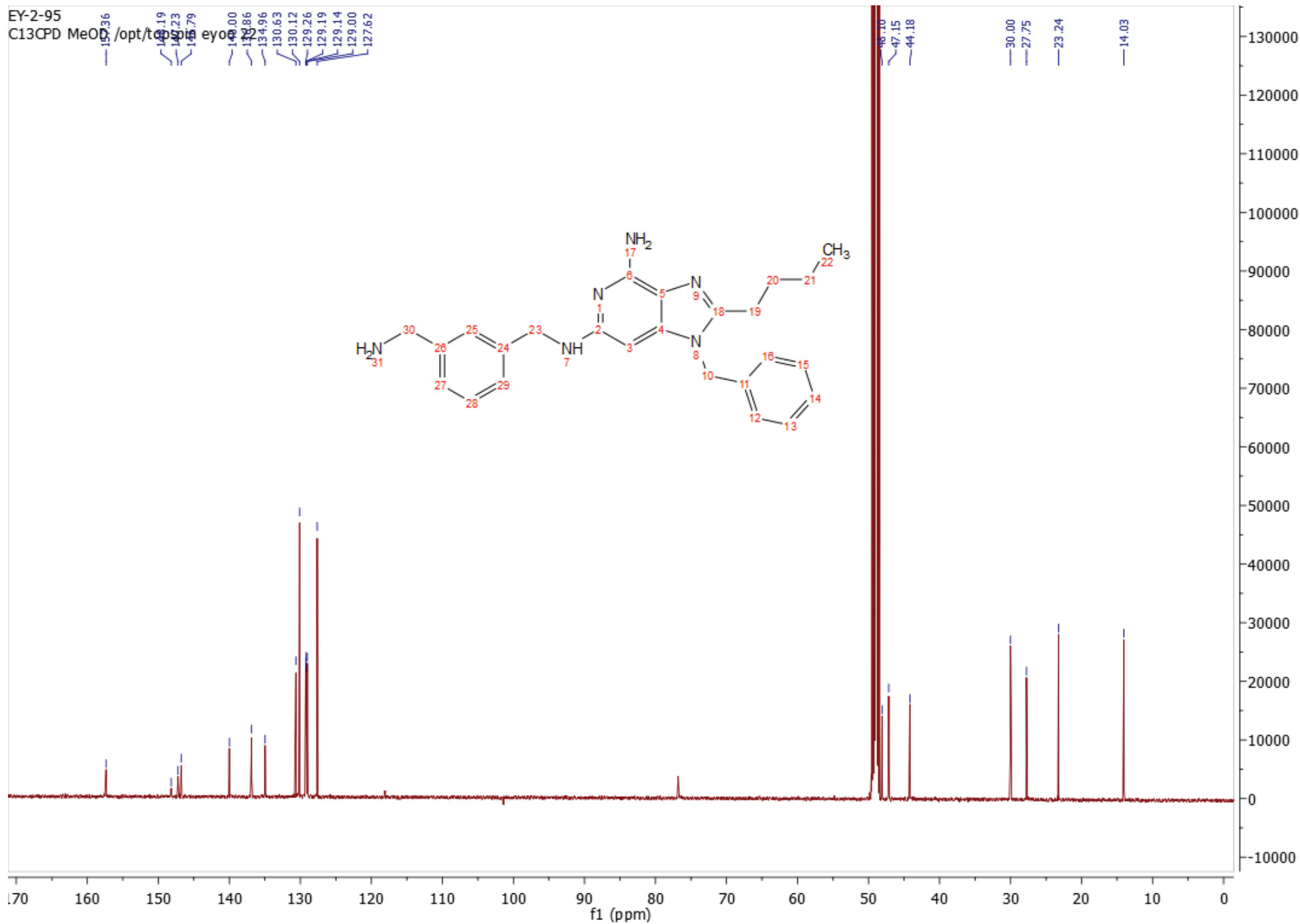
# 19p LC-MS



# 19q <sup>1</sup>H NMR

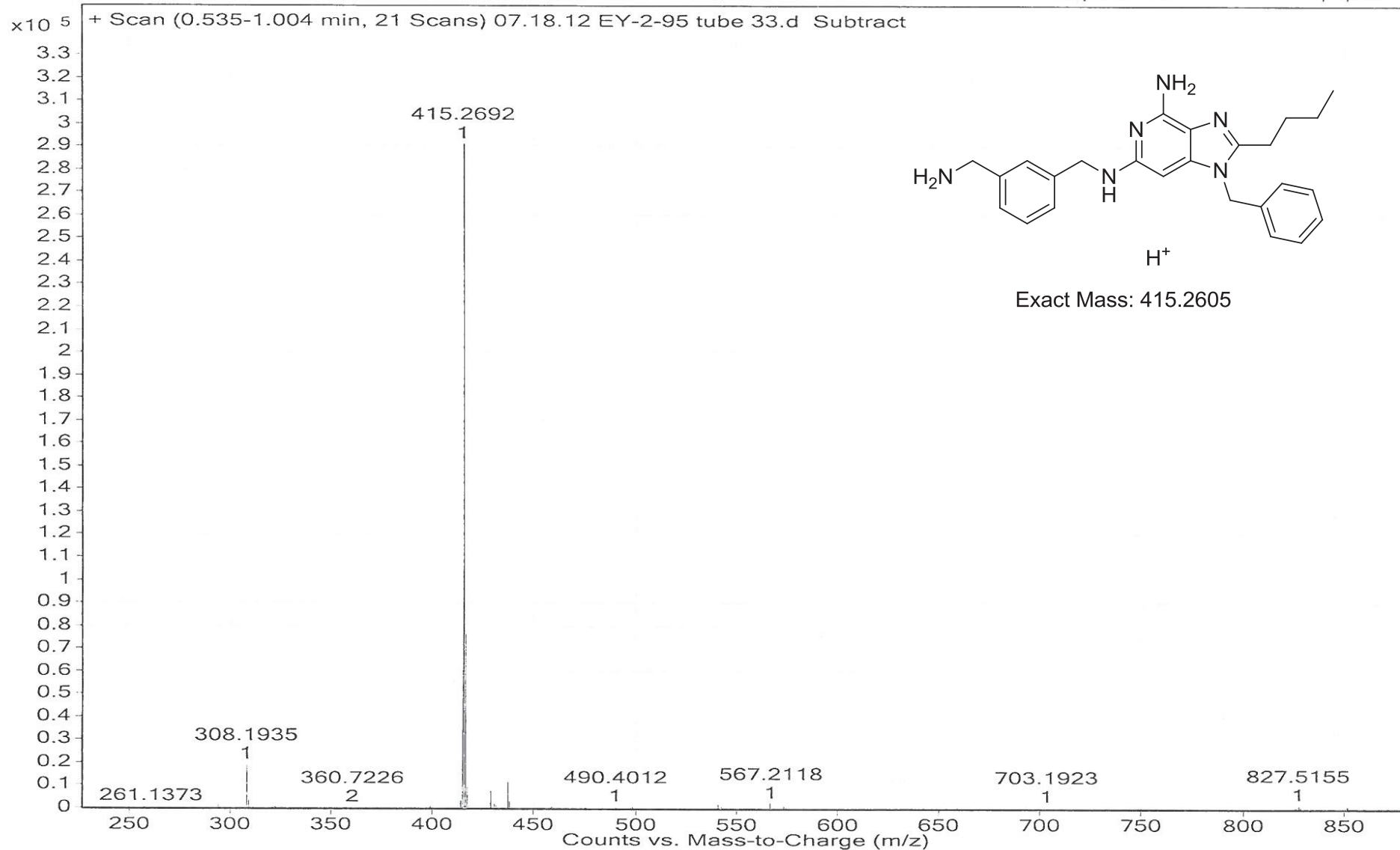


# 19q <sup>13</sup>C NMR

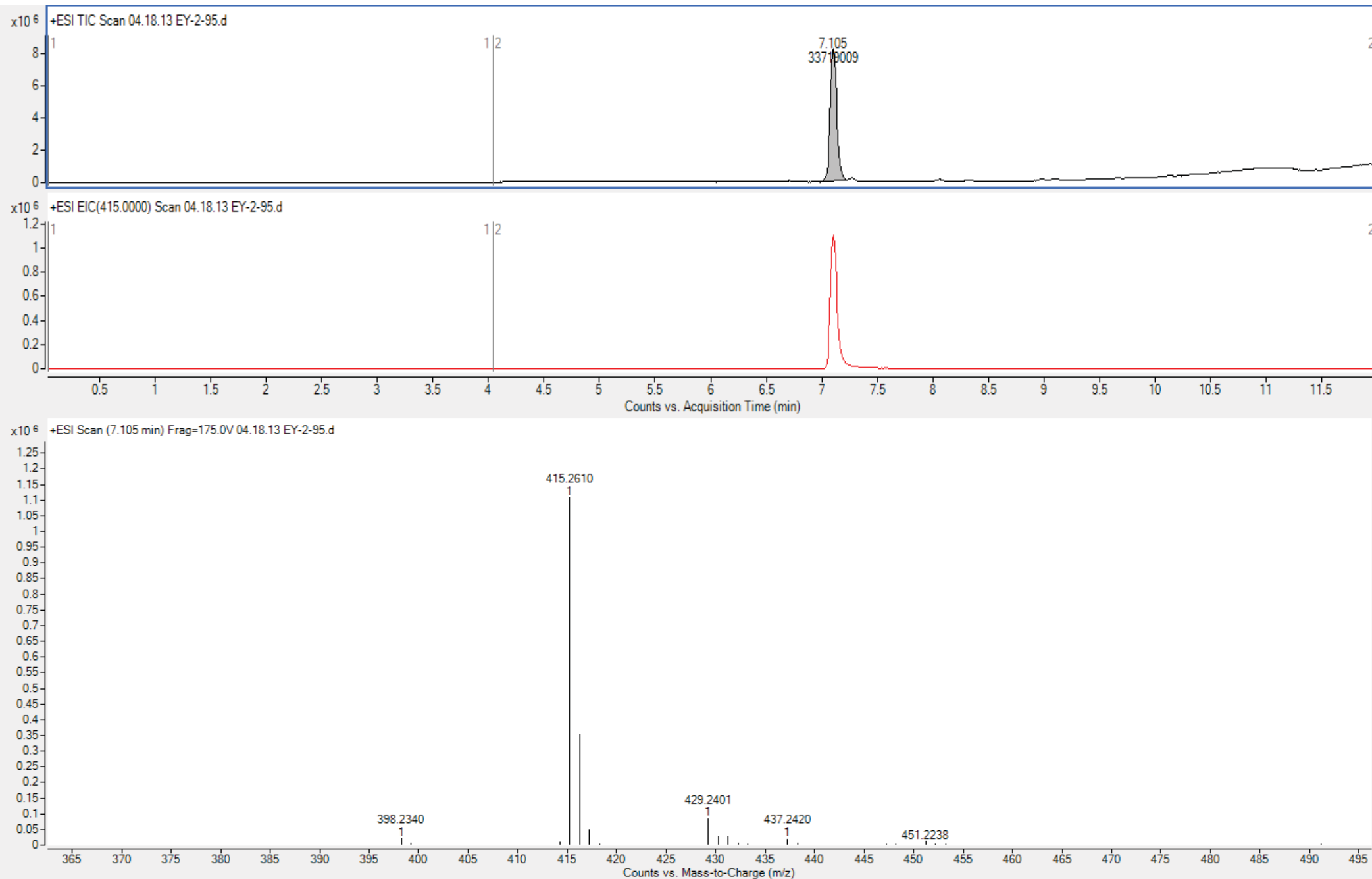


# 19q MS

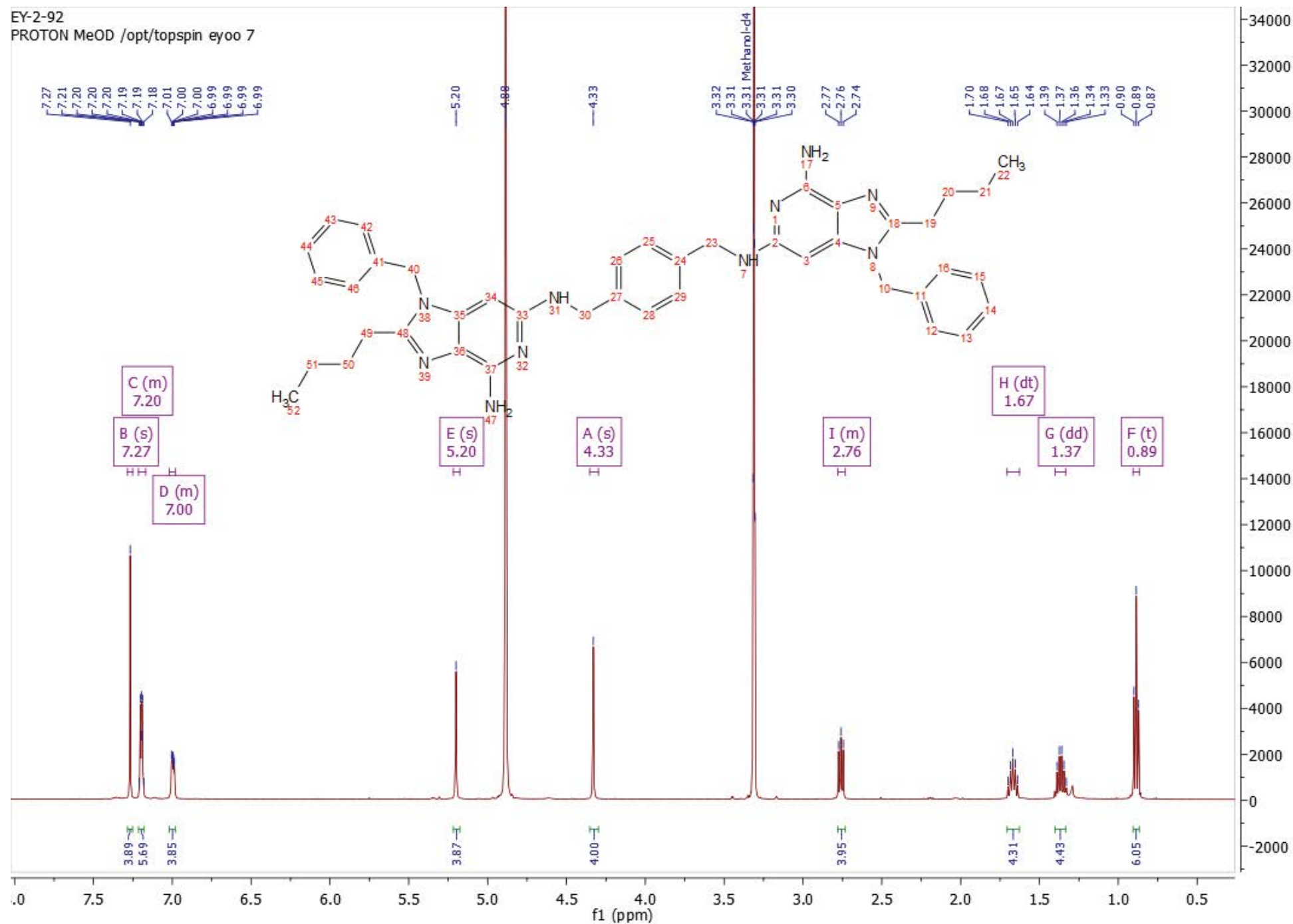
Sample Name	07.18.12 EY-2-95 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	07.18.12 EY-2-95 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	7/18/2012 11:02:04 AM



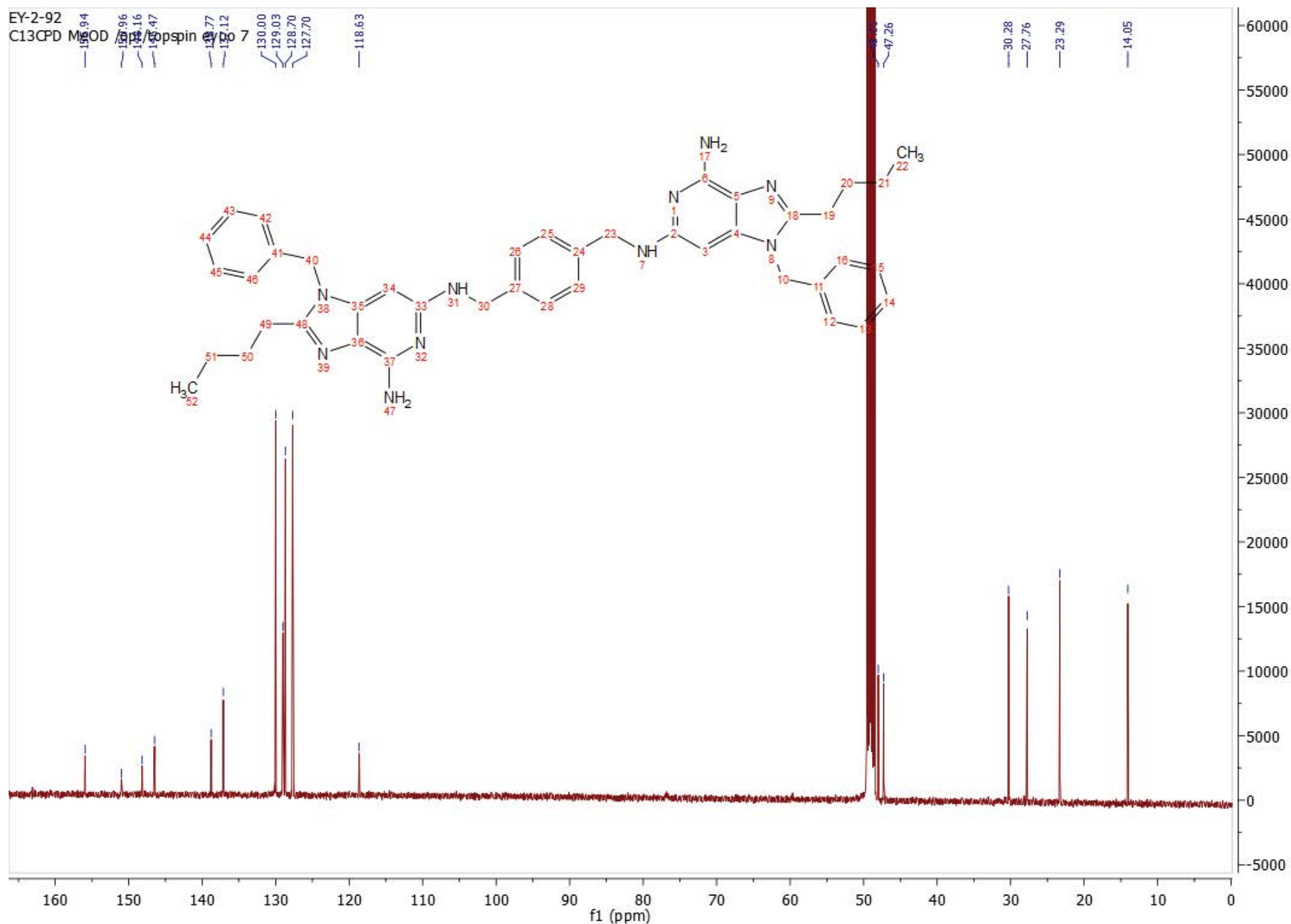
# 19q LC-MS



# 19r <sup>1</sup>H NMR



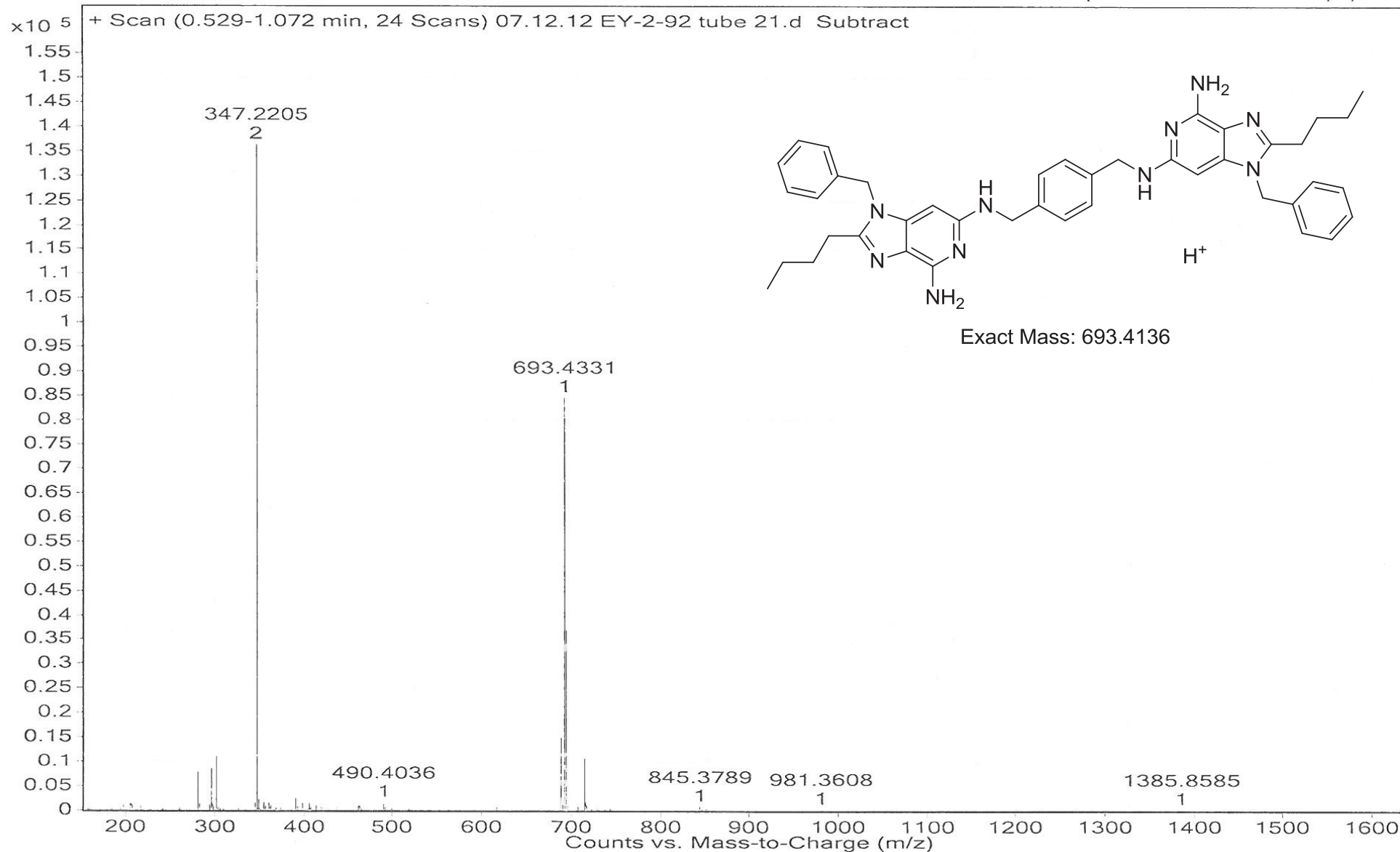
# 19r <sup>13</sup>C NMR



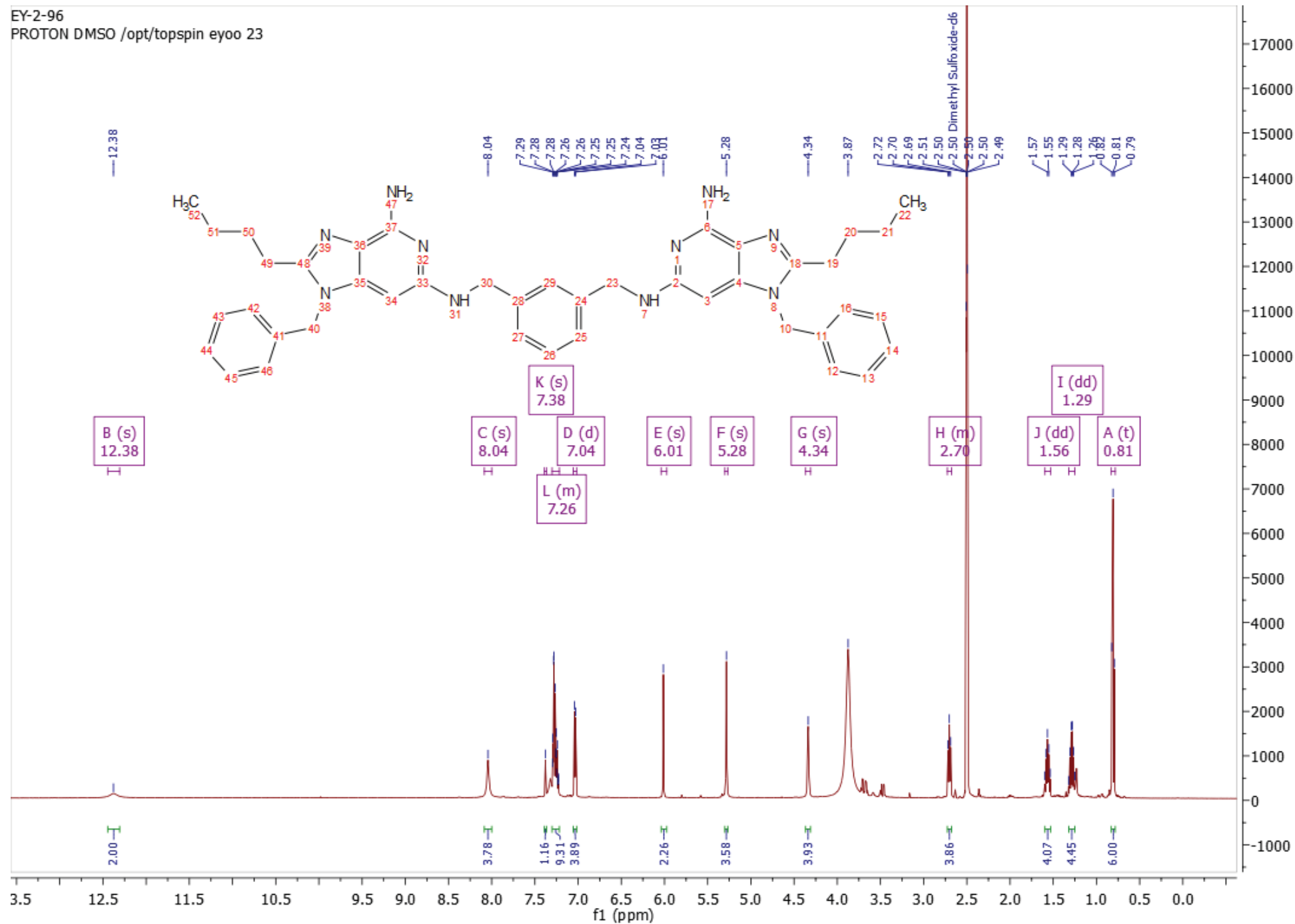


# 19r MS

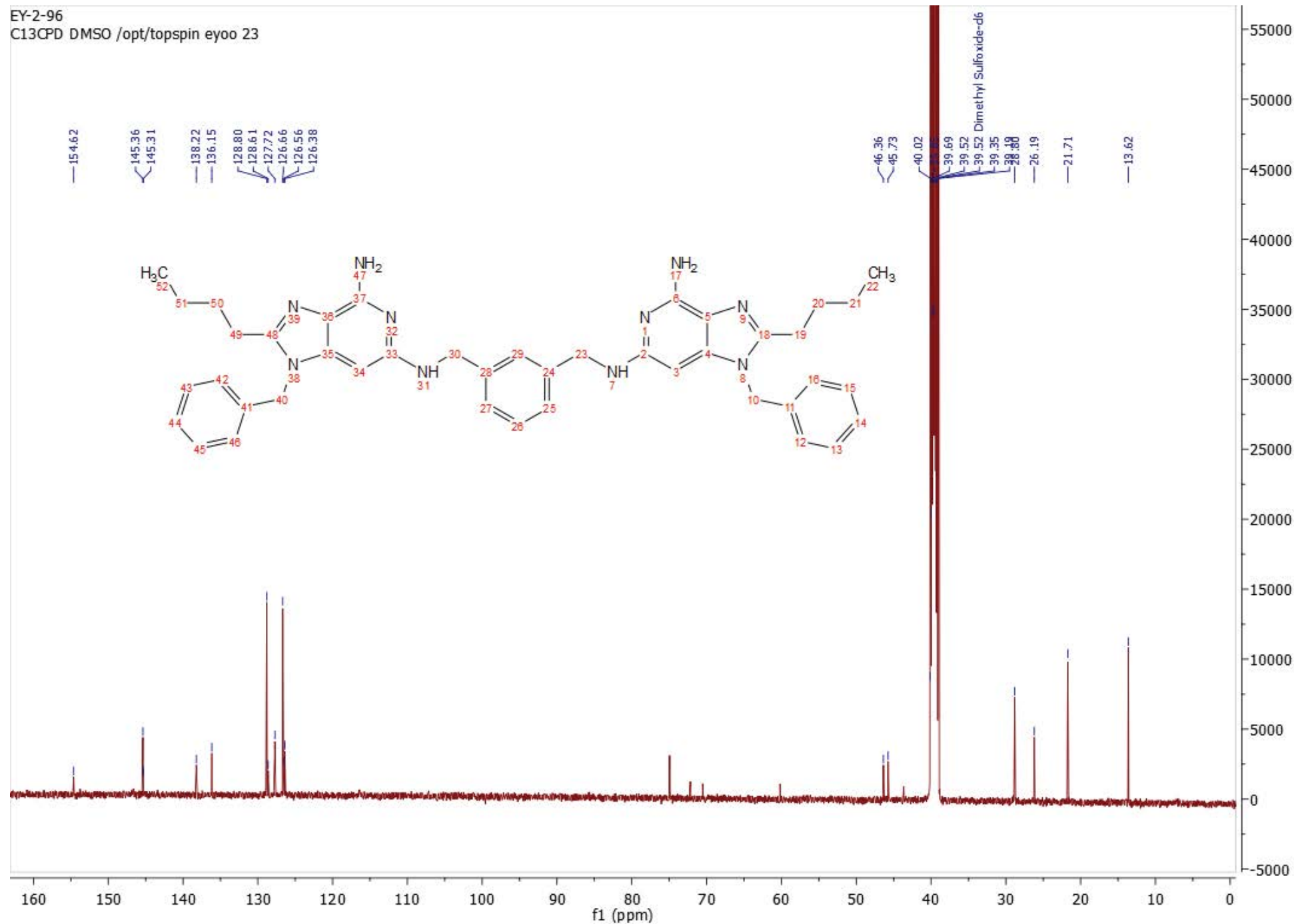
Sample Name	07.12.12 EY-2-92 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	07.12.12 EY-2-92 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	7/12/2012 1:08:33 PM



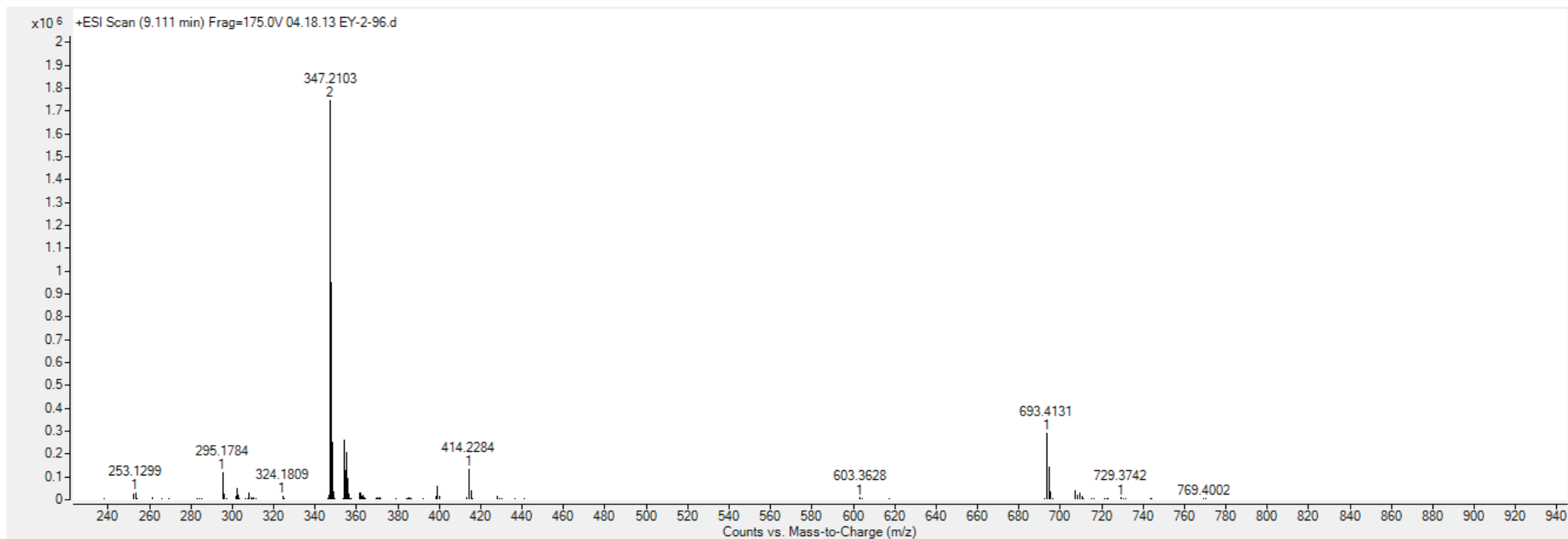
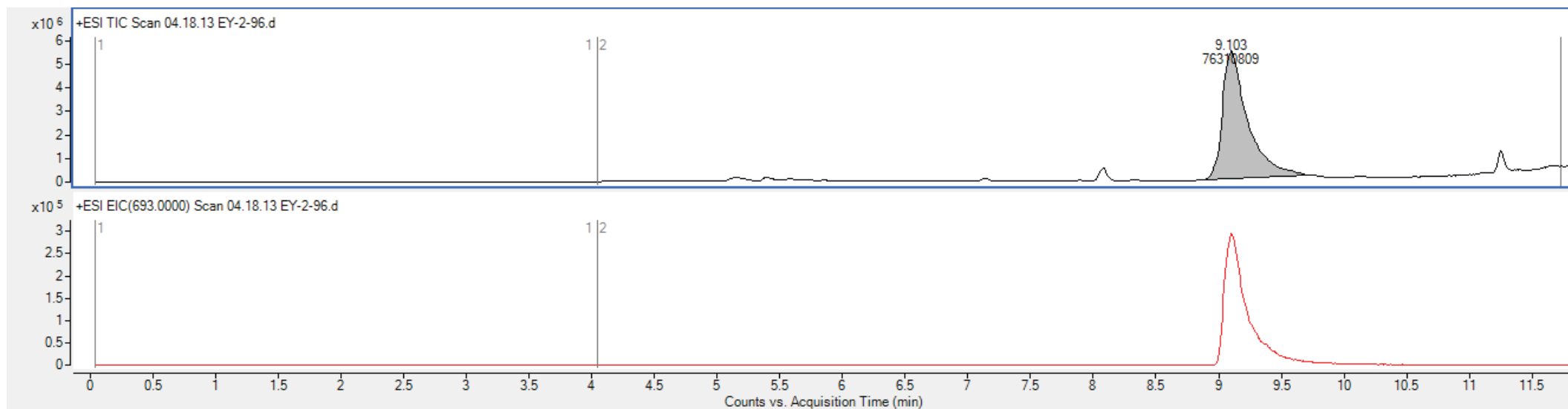
# 19s <sup>1</sup>H NMR



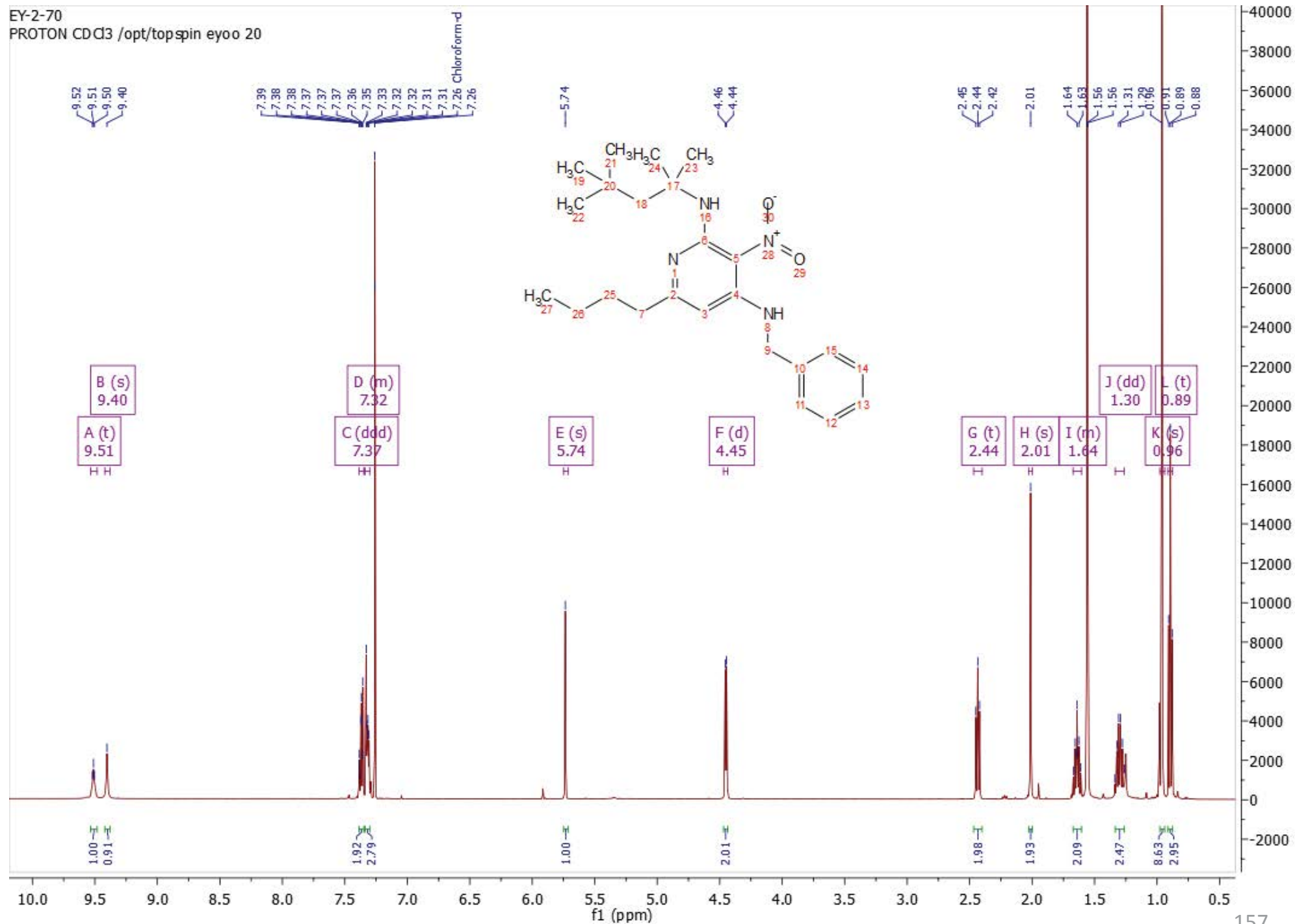
# **19s** <sup>13</sup>C NMR



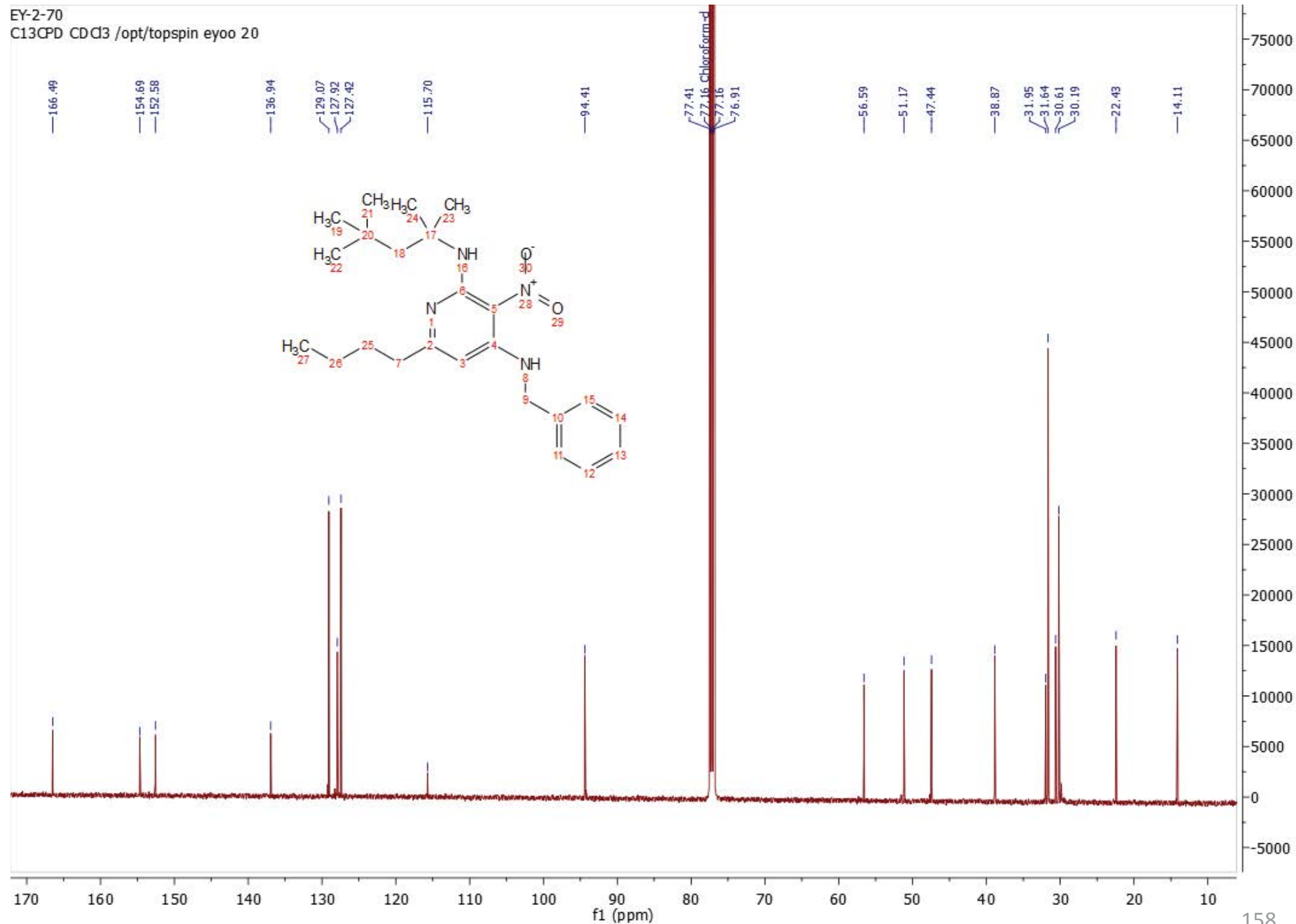
# 19s LC-MS



# 20a <sup>1</sup>H NMR

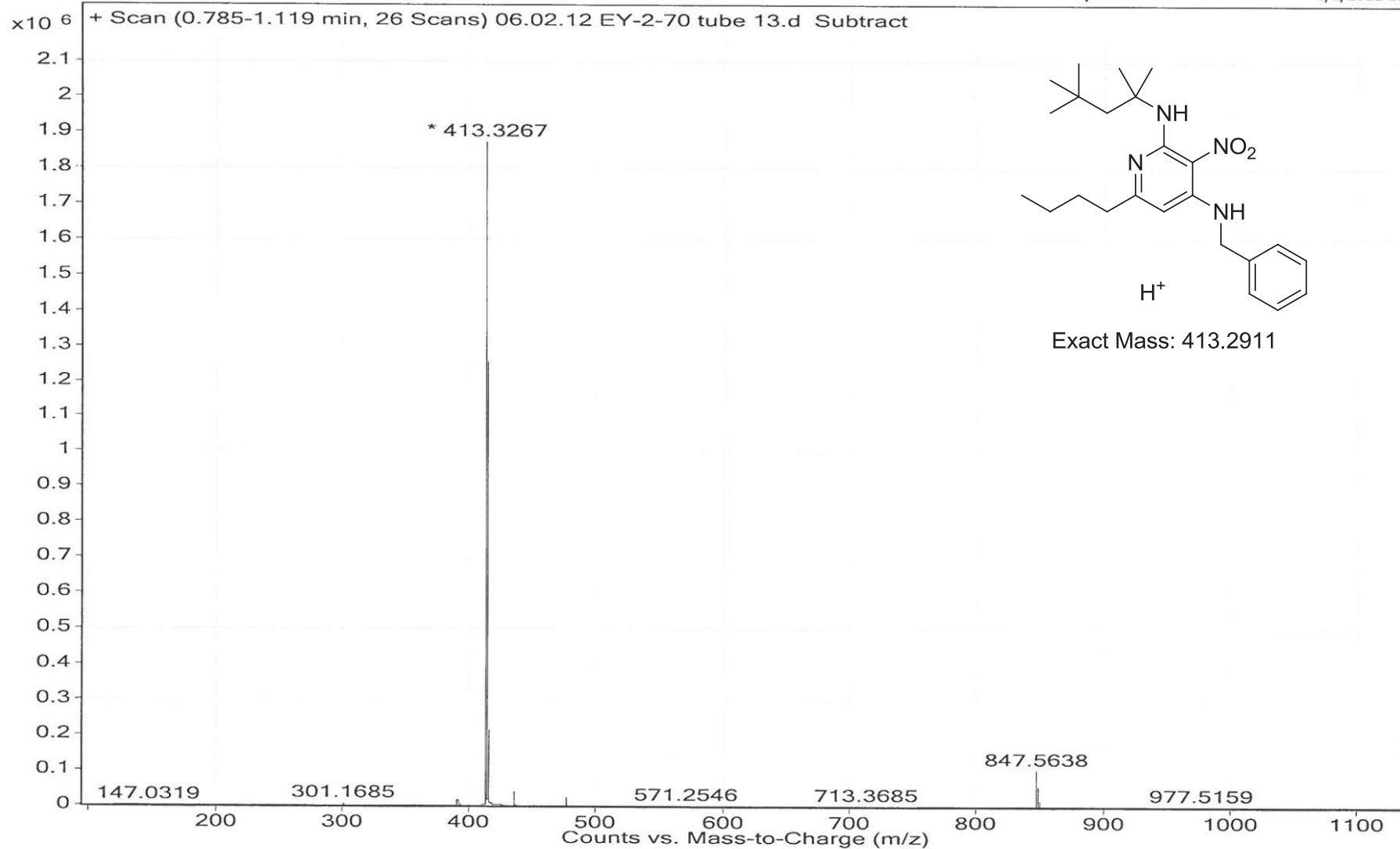


# 20a <sup>13</sup>C NMR



# 20a MS

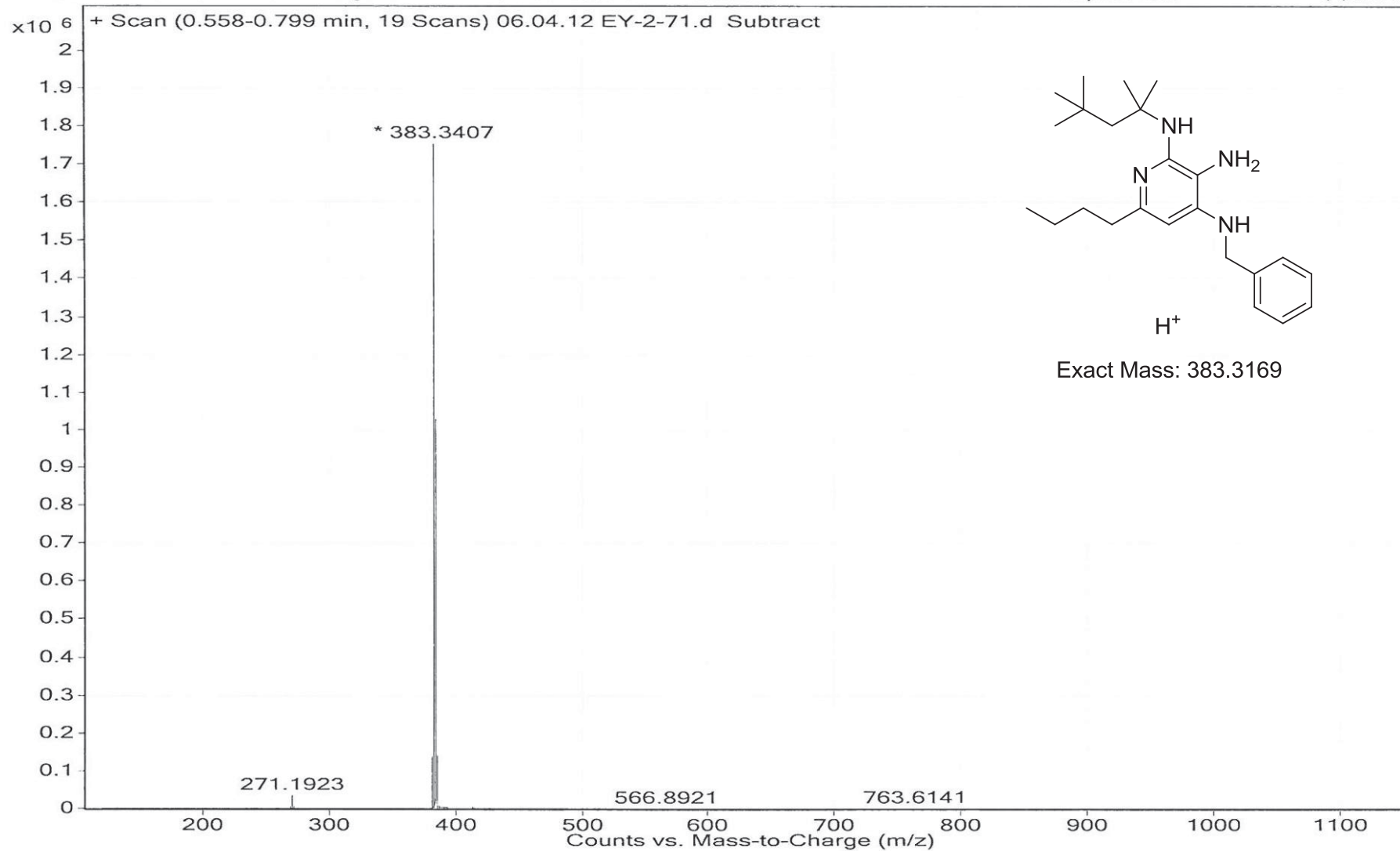
Sample Name	06.02.12 EY-2-70 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.02.12 EY-2-70 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/2/2012 11:37:18 AM





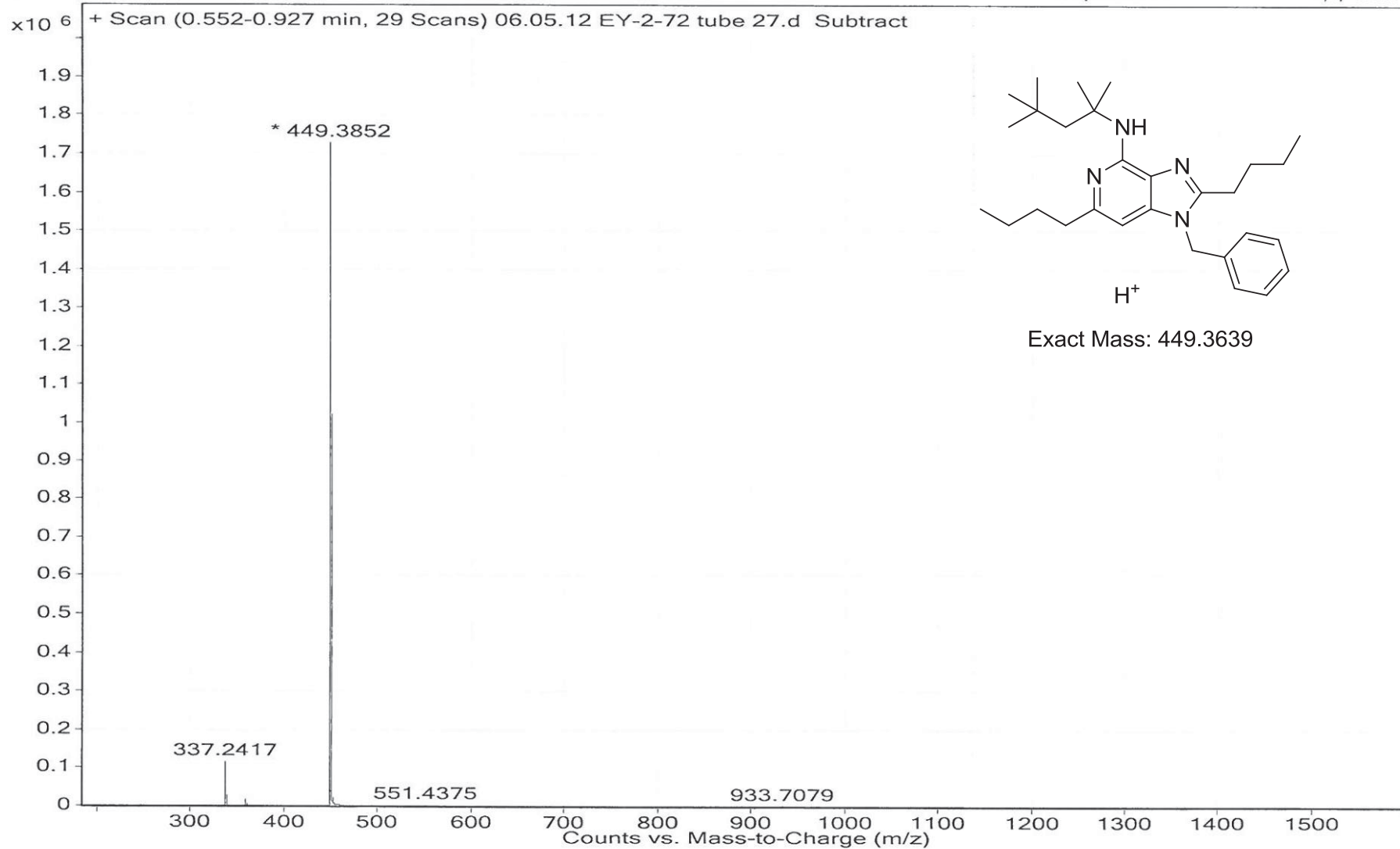
## 21a MS

Sample Name	06.04.12 EY-2-71	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.04.12 EY-2-71.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/4/2012 11:22:31 AM

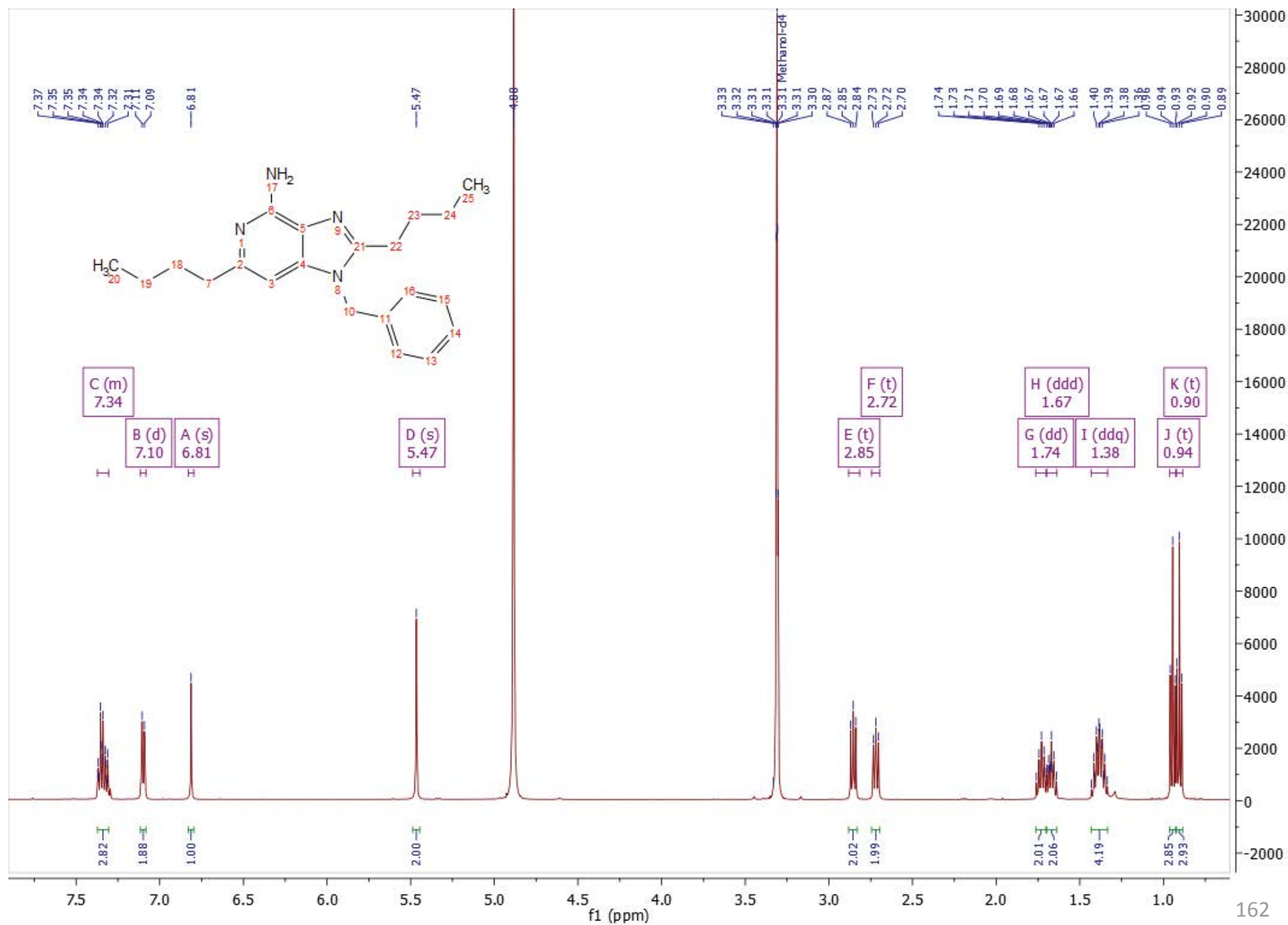


## 22a MS

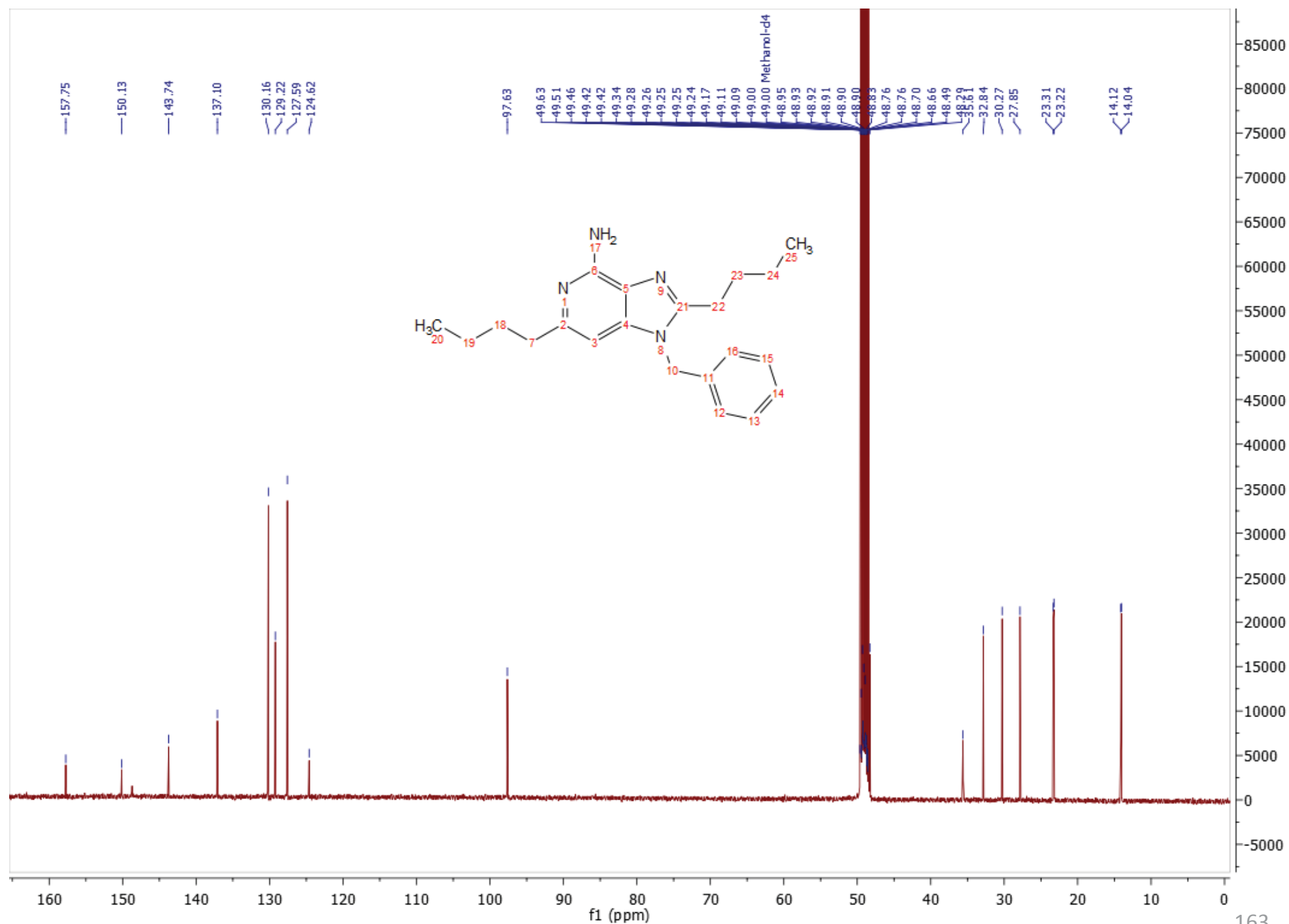
Sample Name	06.05.12 EY-2-72 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.05.12 EY-2-72 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/5/2012 1:40:46 PM



# 23a <sup>1</sup>H NMR

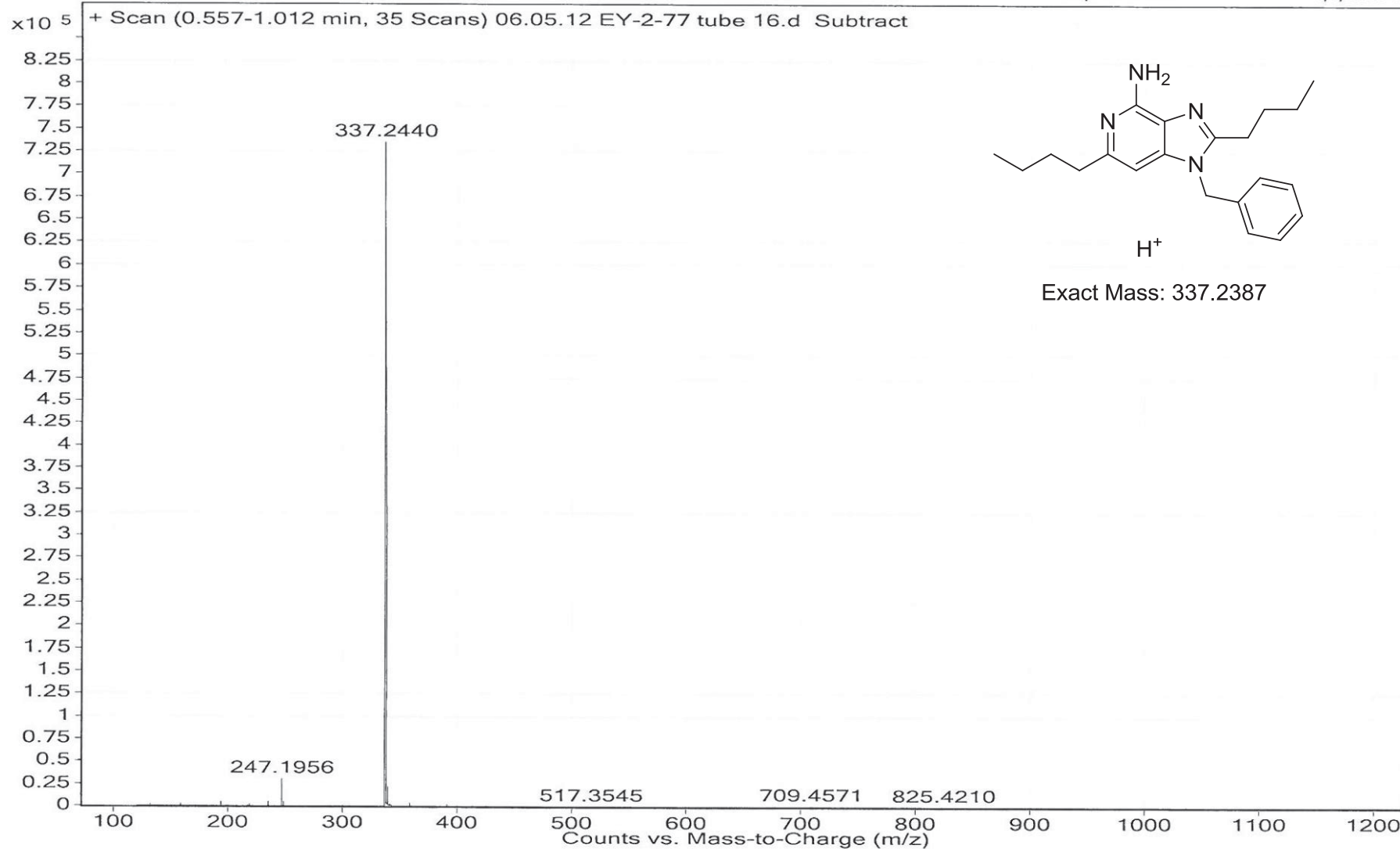


# 23a <sup>13</sup>C NMR

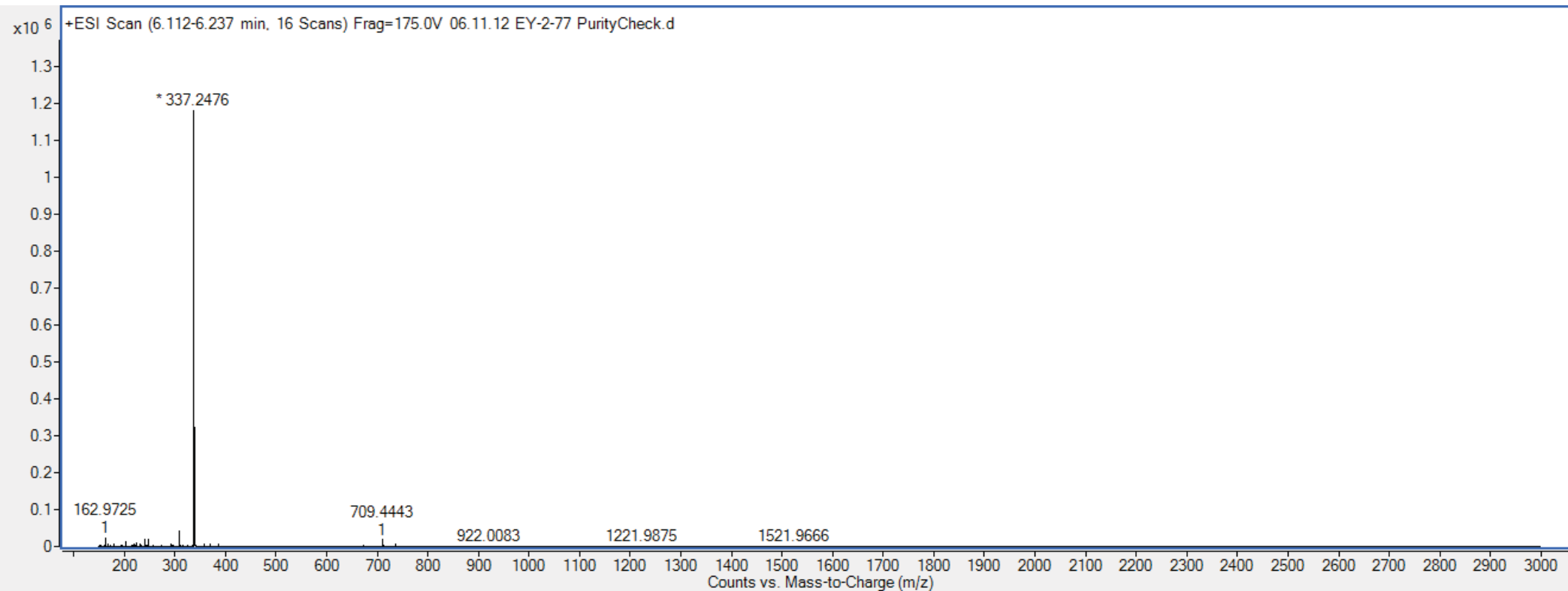
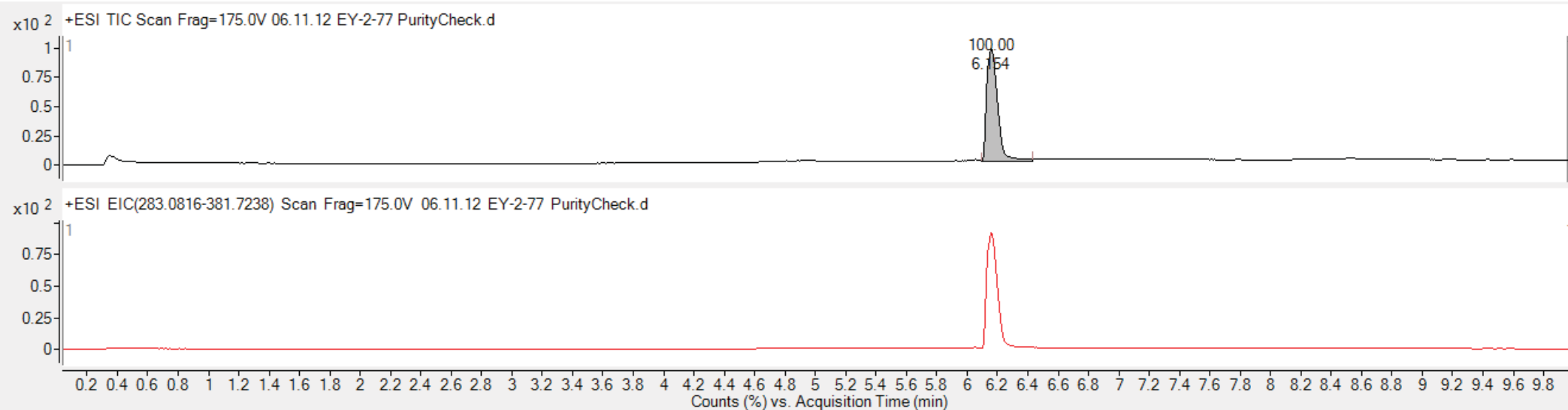


# 23a MS

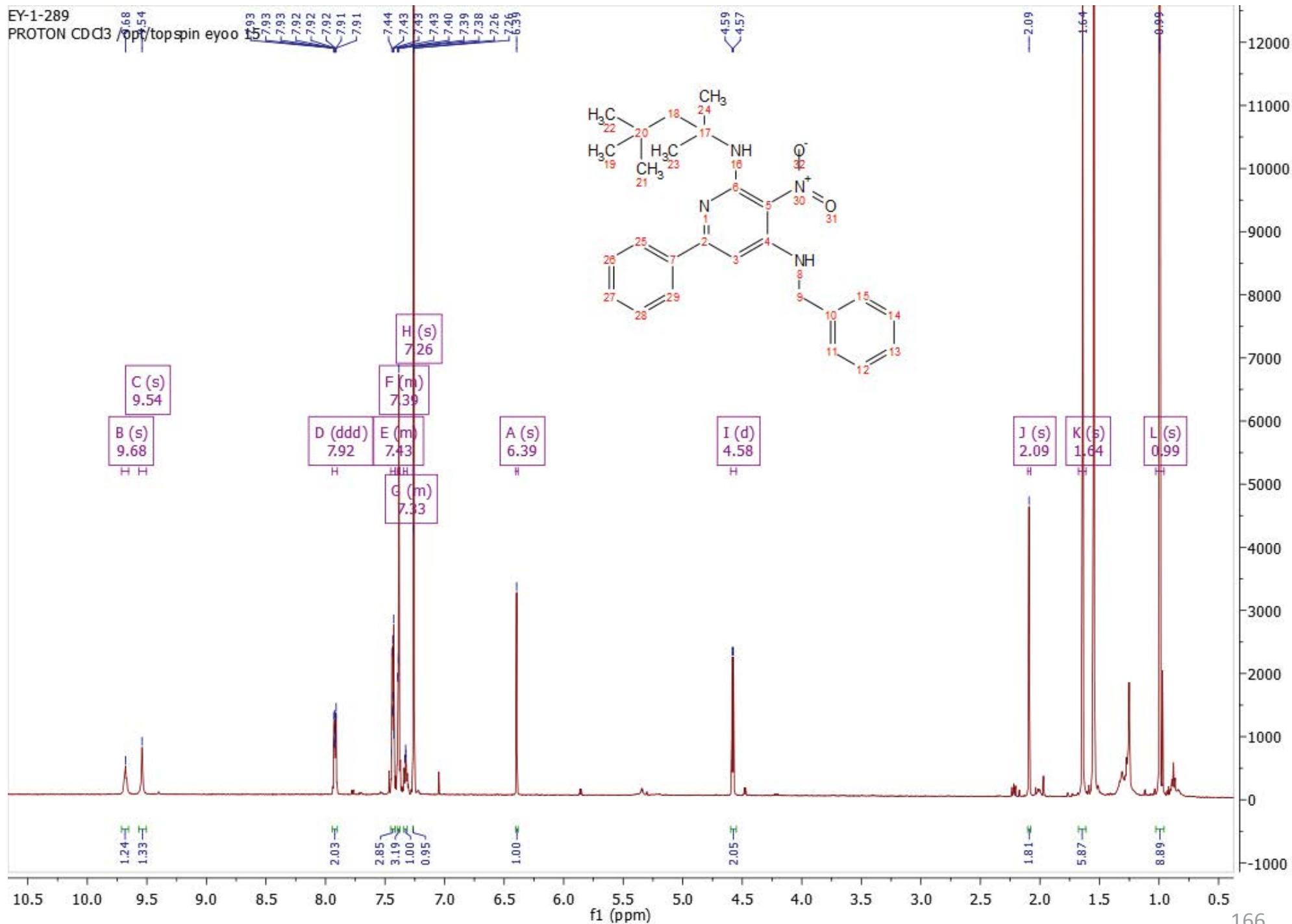
Sample Name	06.05.12 EY-2-77 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.05.12 EY-2-77 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/5/2012 4:51:04 PM



## 23a LC-MS

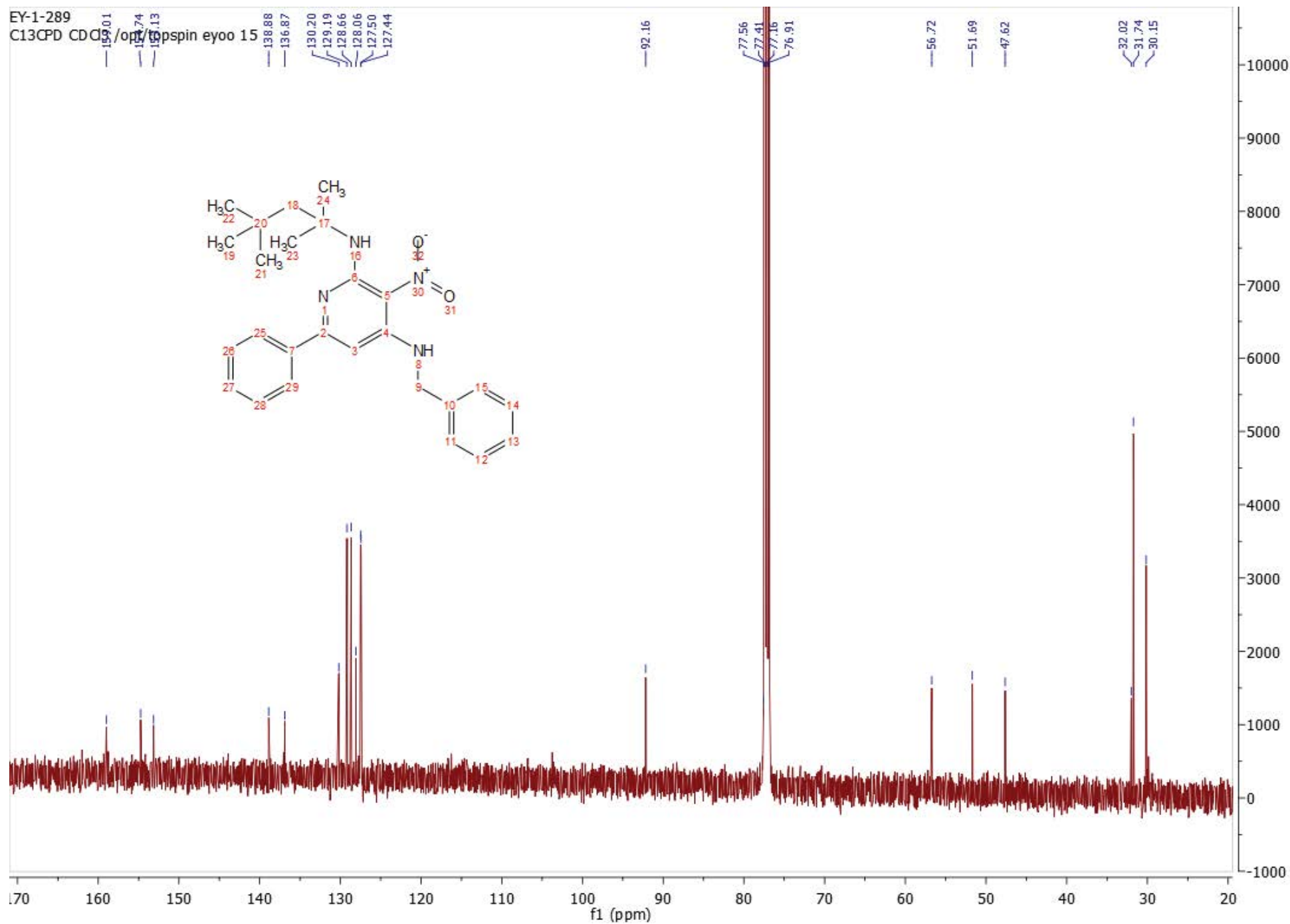


## 20b <sup>1</sup>H NMR



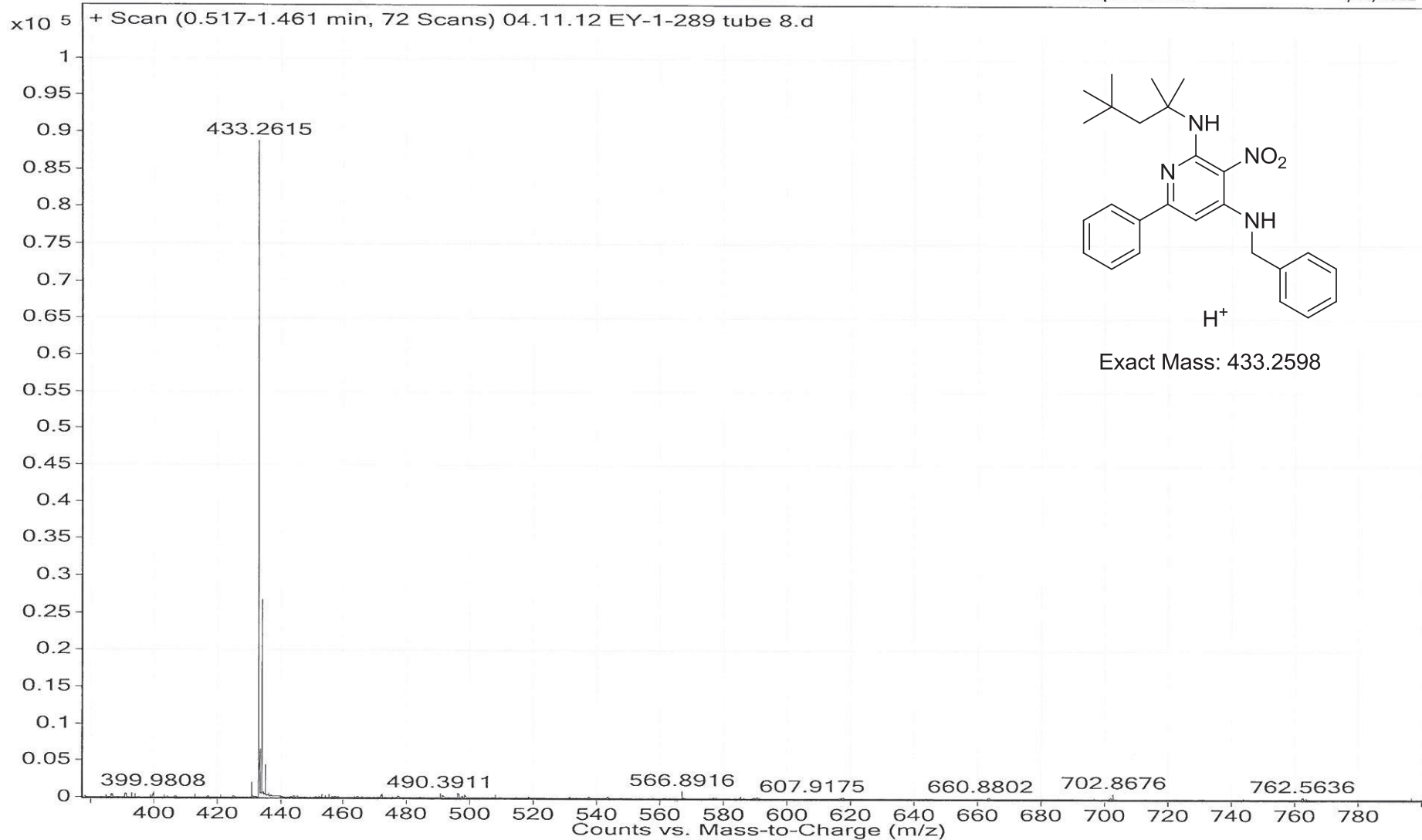


# 20b <sup>13</sup>C NMR



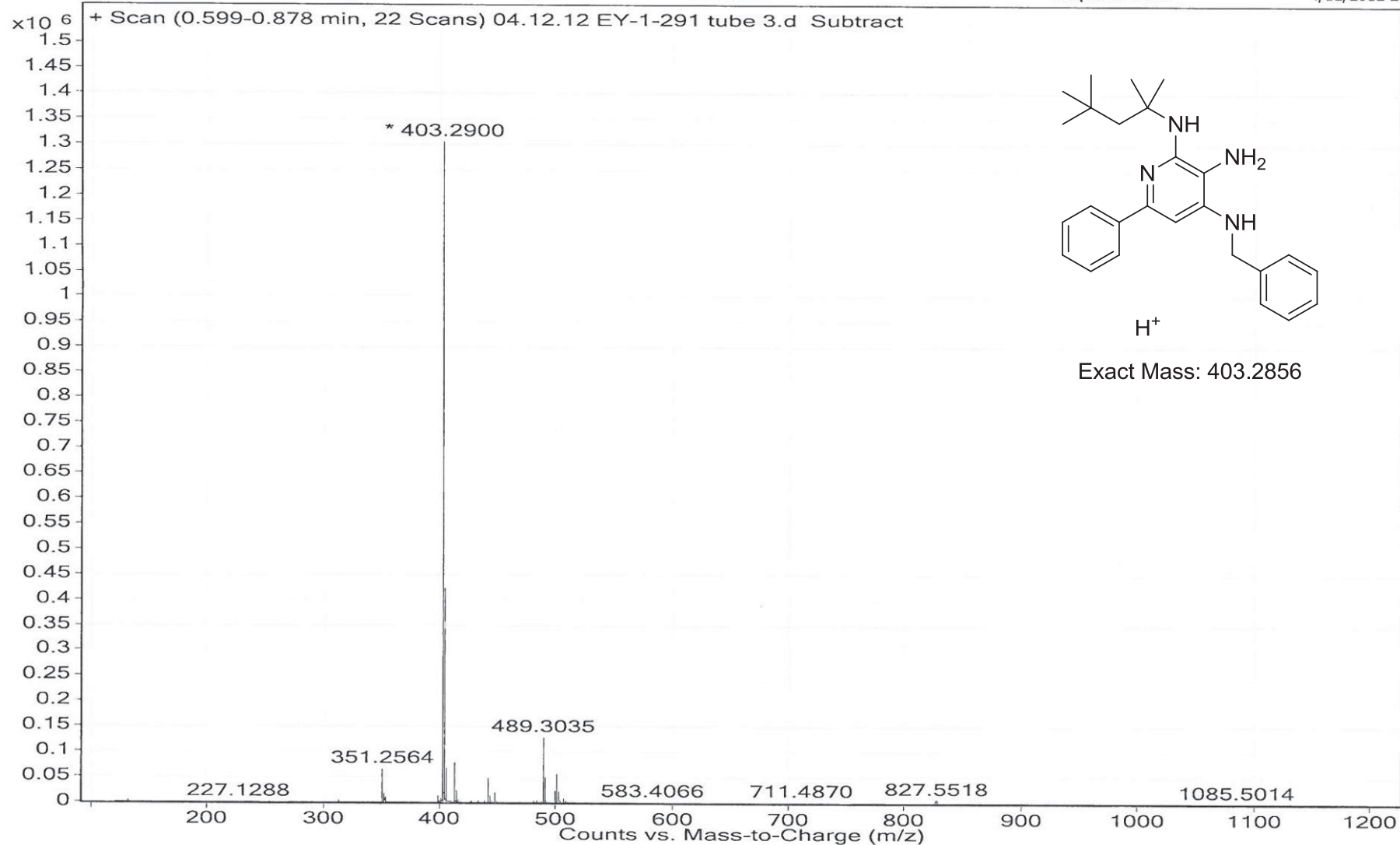
# 20b MS

Sample Name	04.11.12 EY-1-289 tu	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.11.12 EY-1-289 tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/11/2012 10:28:16 AM

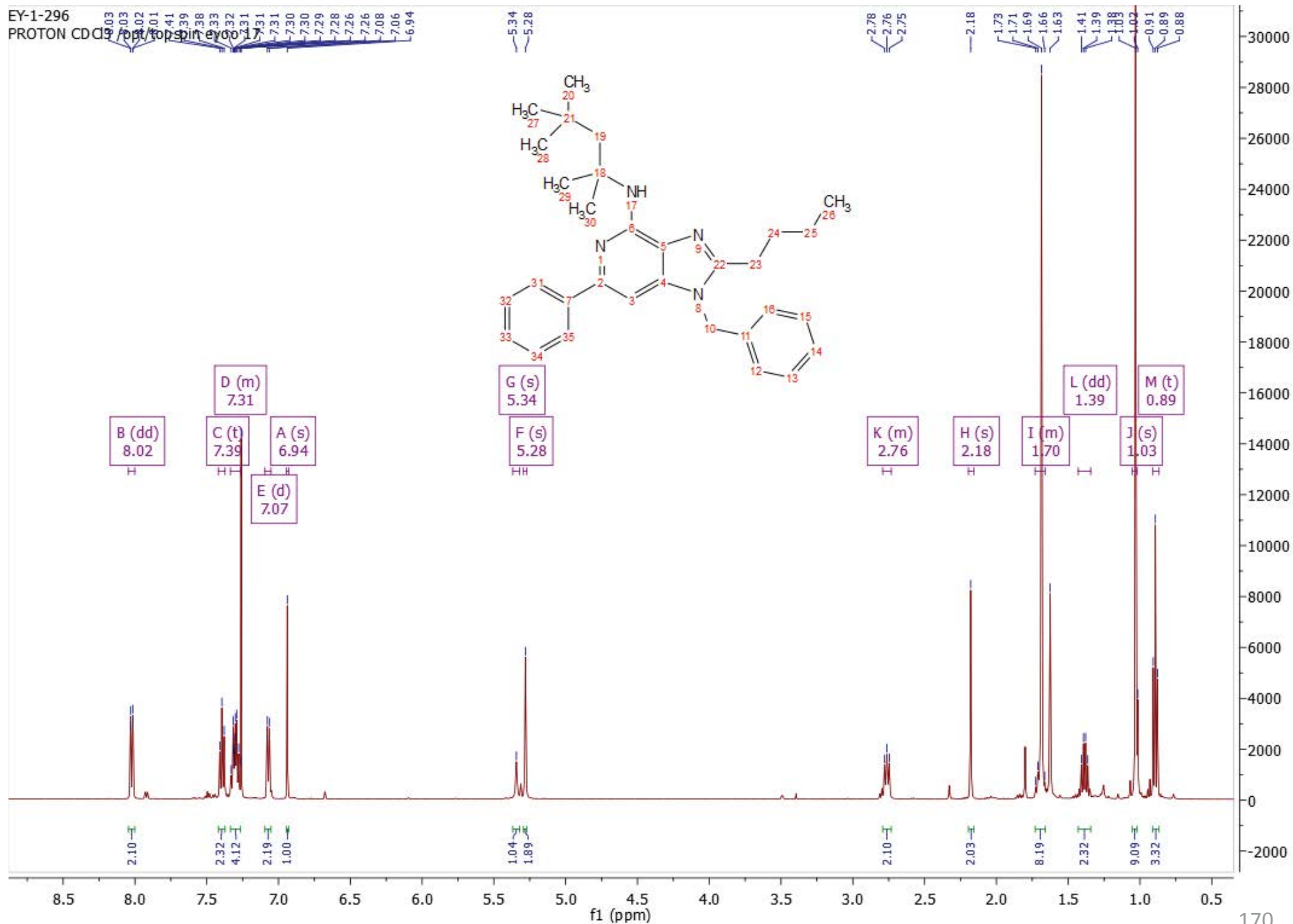


# 21b MS

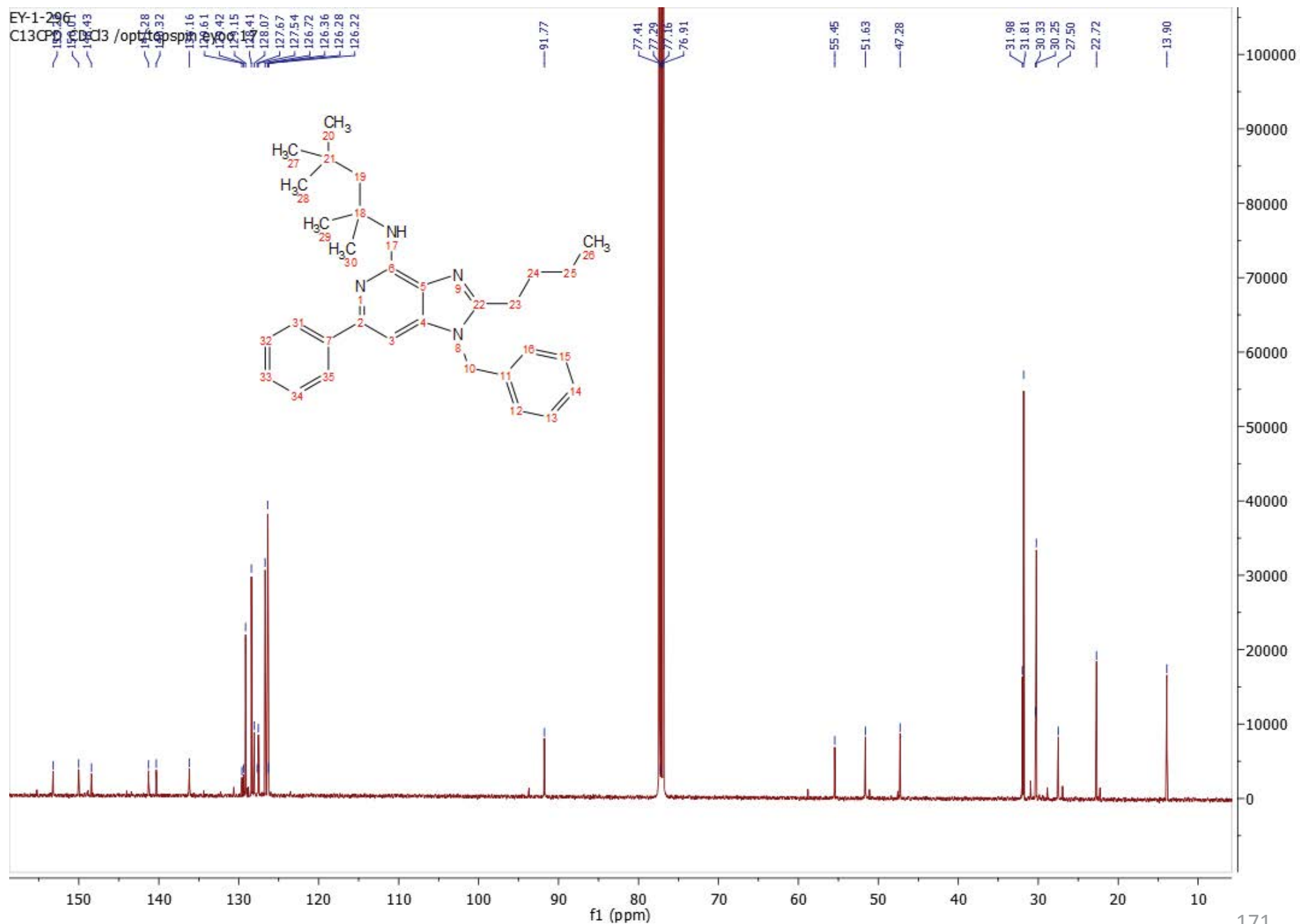
Sample Name	04.12.12 EY-1-291 tu	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.12.12 EY-1-291 tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/12/2012 2:19:57 PM



# 22b <sup>1</sup>H NMR

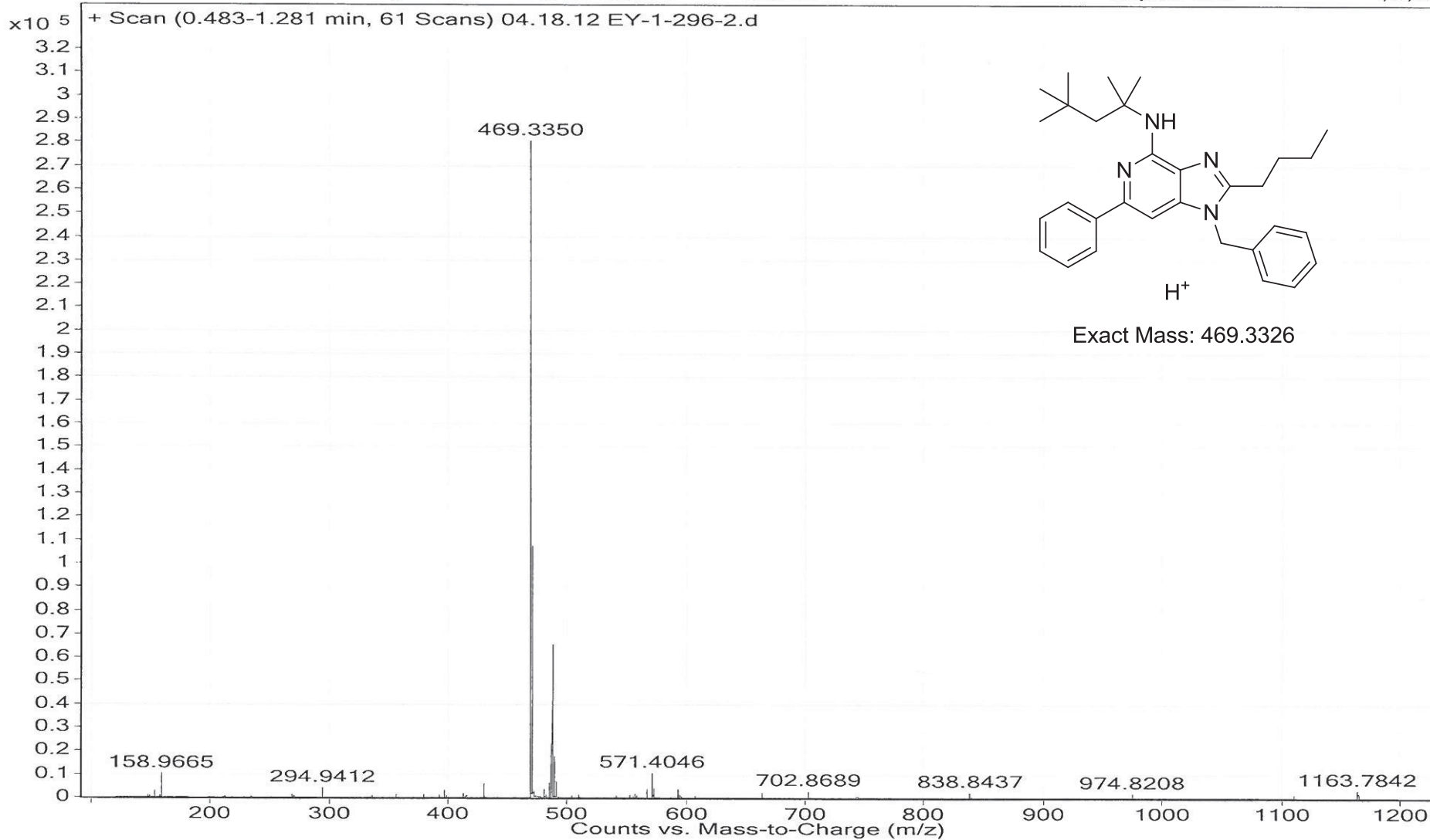


# 22b <sup>13</sup>C NMR



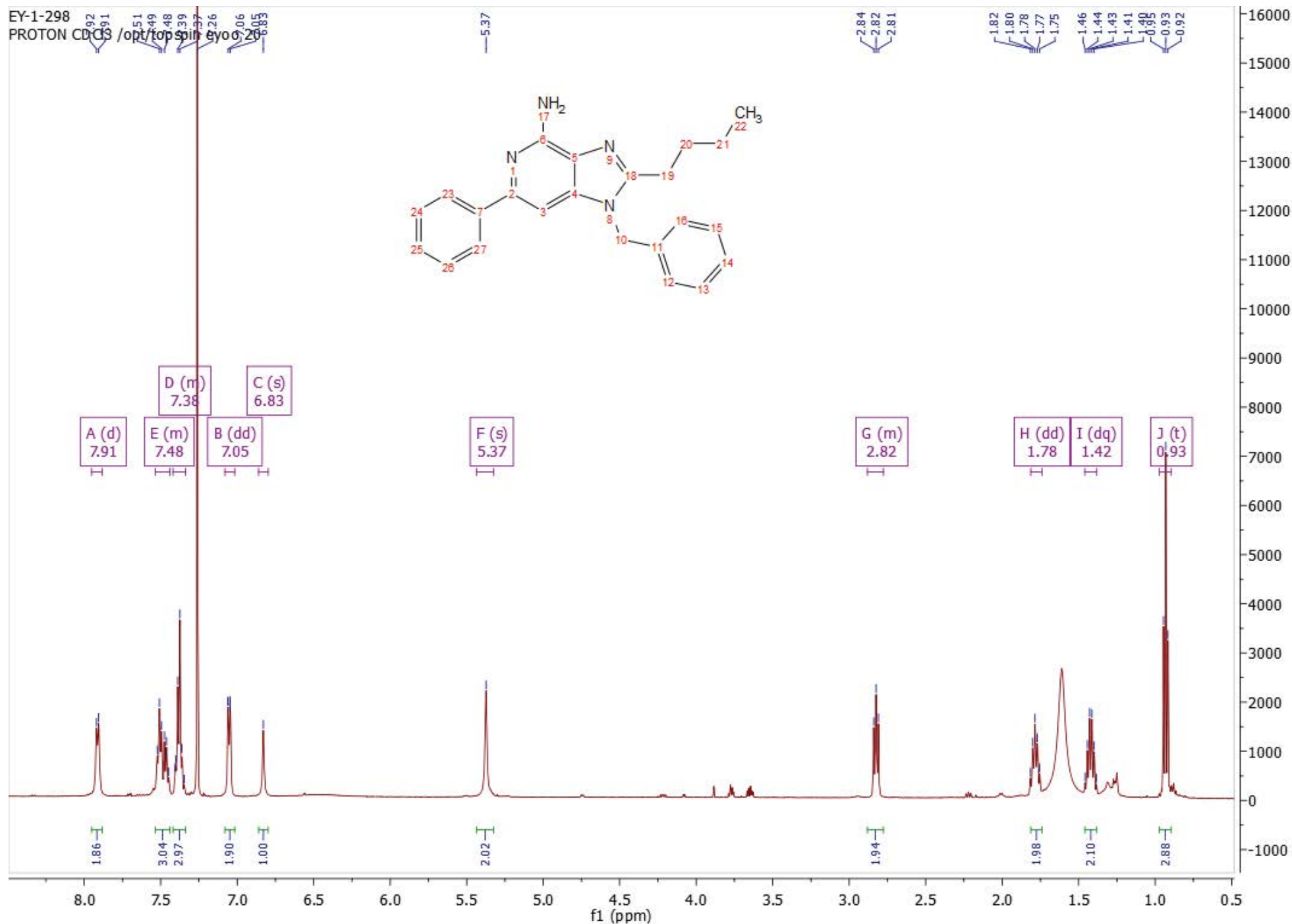
# 22b MS

Sample Name	04.18.12 EY-1-296-2	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.18.12 EY-1-296-2.	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/18/2012 4:42:34



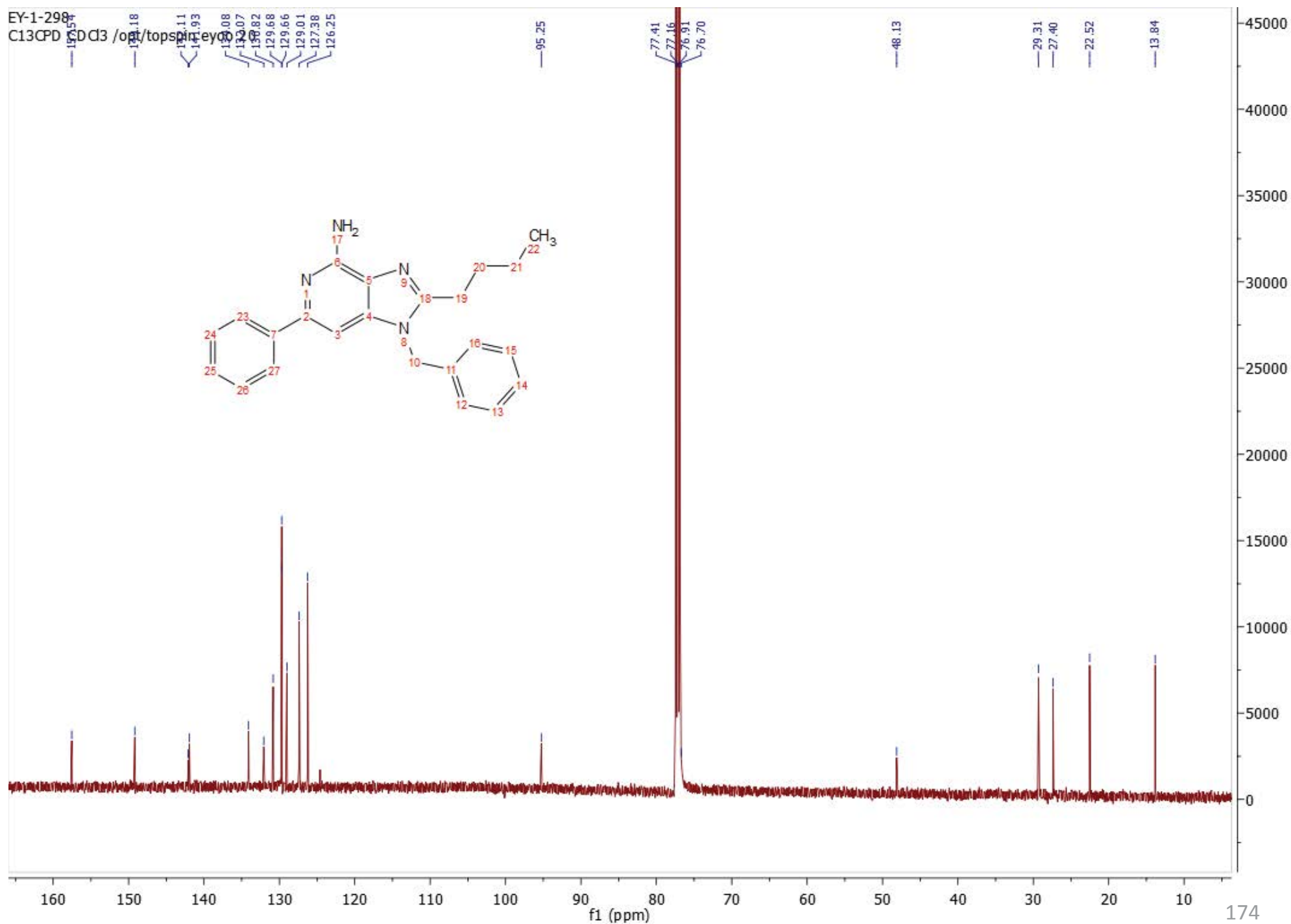


# 23b <sup>1</sup>H NMR



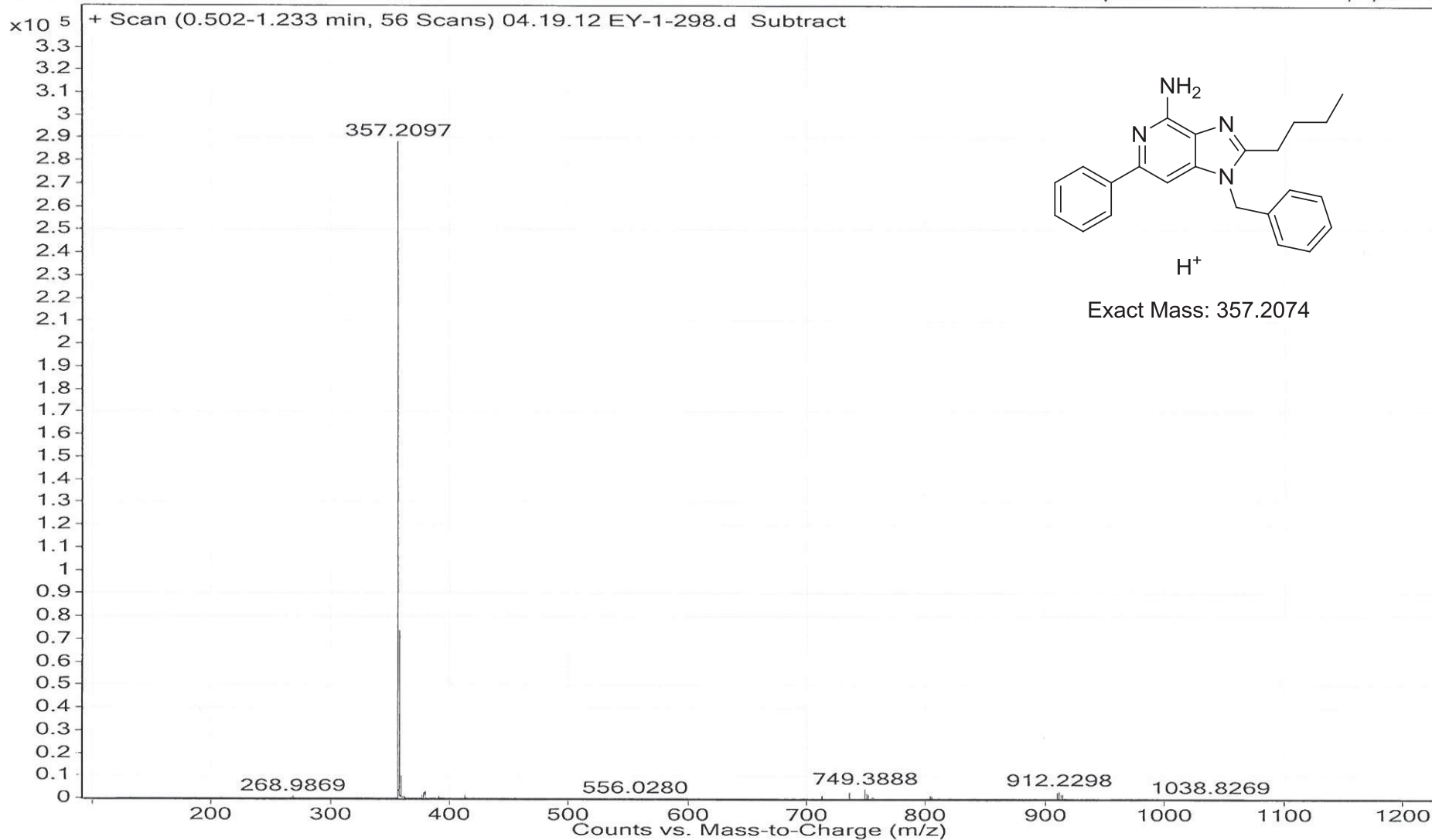


# 23b <sup>13</sup>C NMR

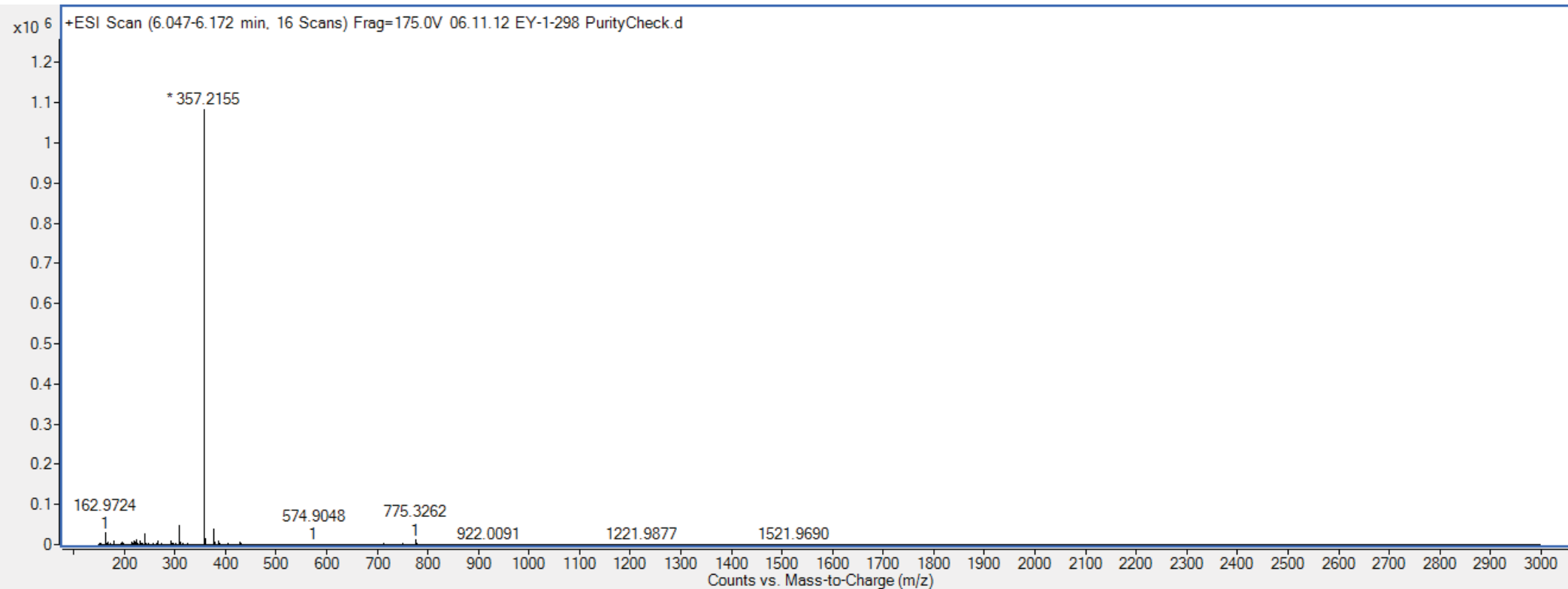
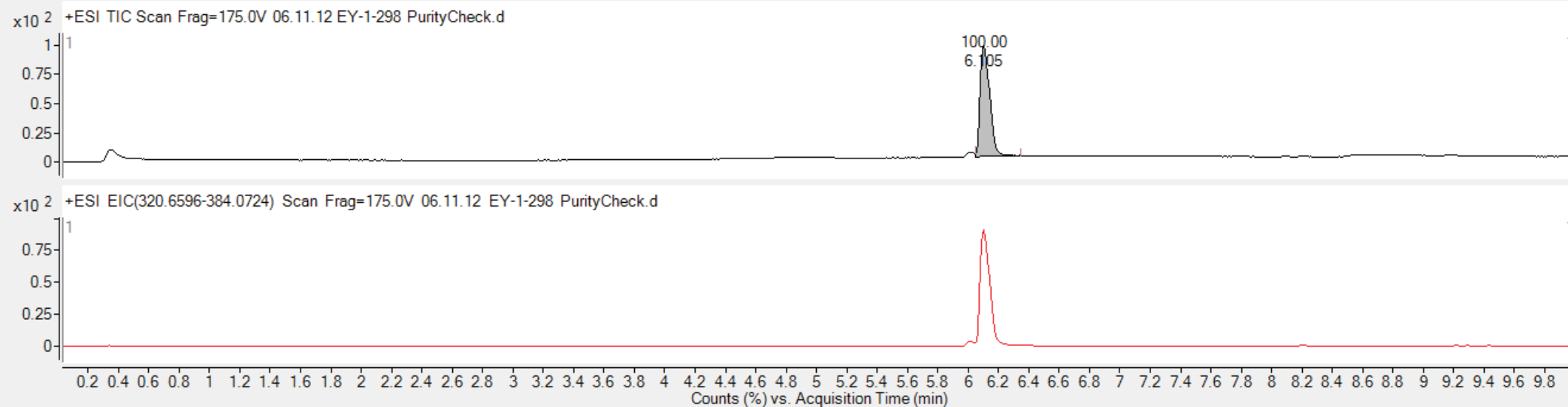


# 23b MS

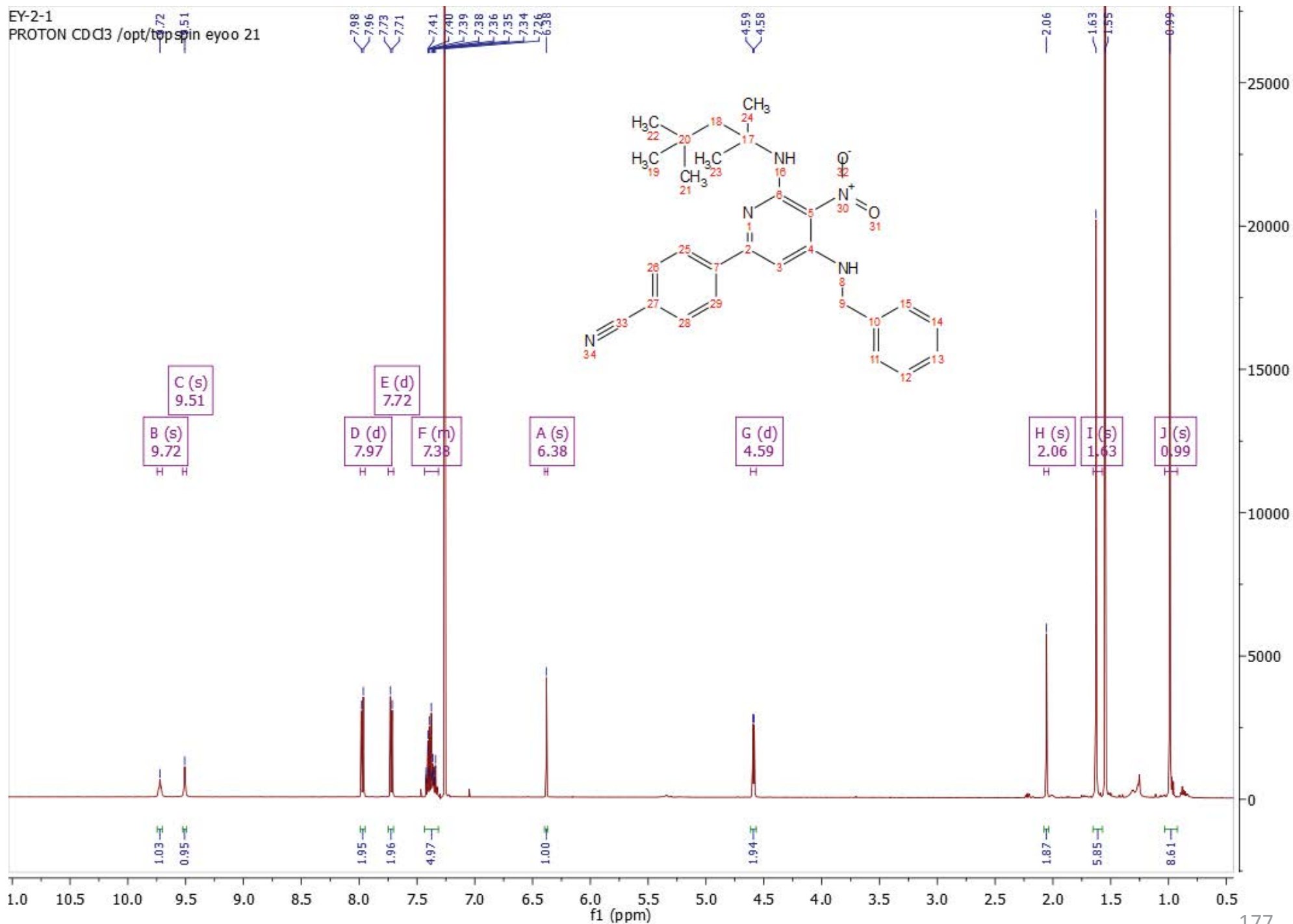
Sample Name	04.19.12 EY-1-298	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.19.12 EY-1-298.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/19/2012 2:26:47 PM



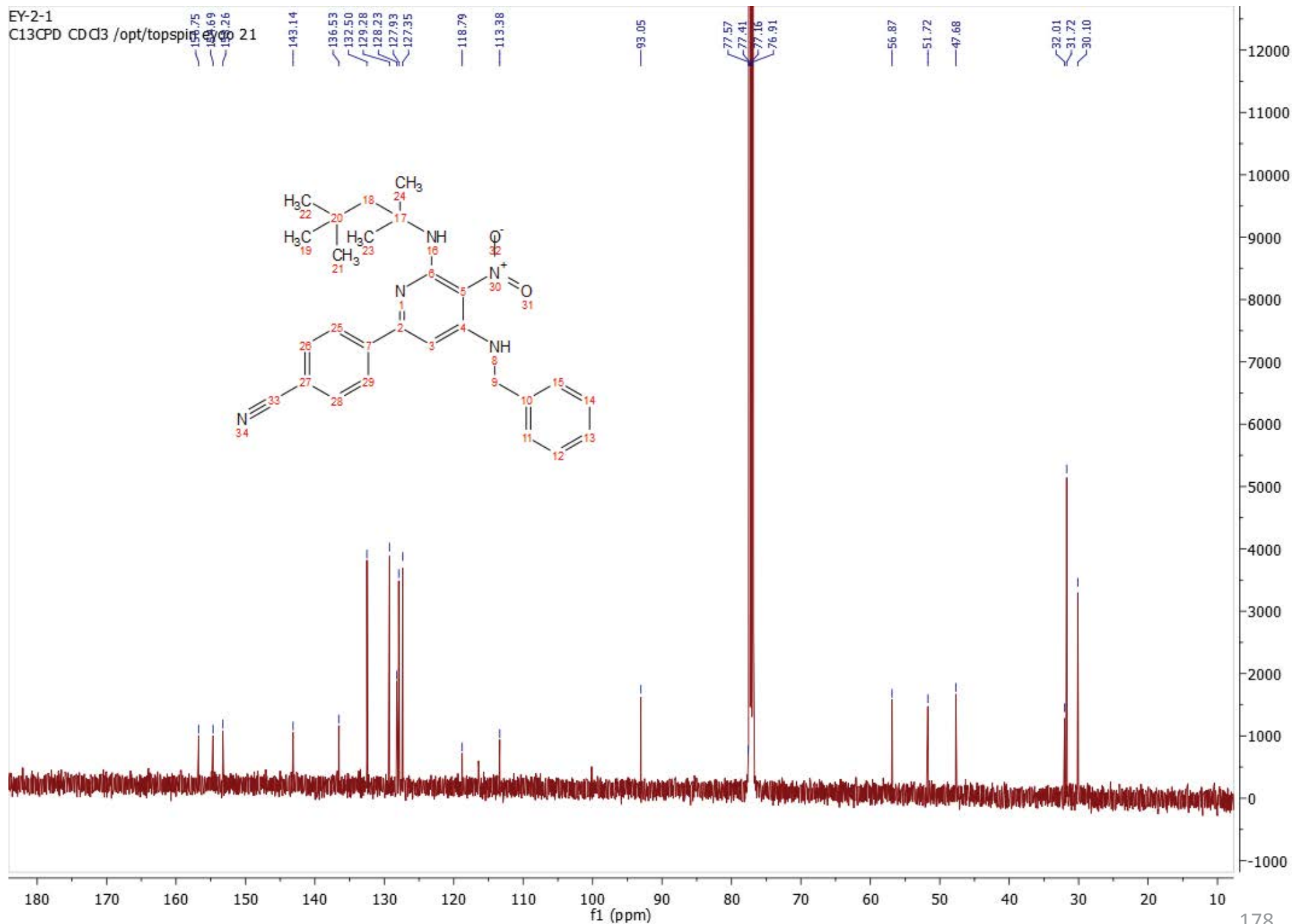
## 23b LC-MS



# 20c <sup>1</sup>H NMR

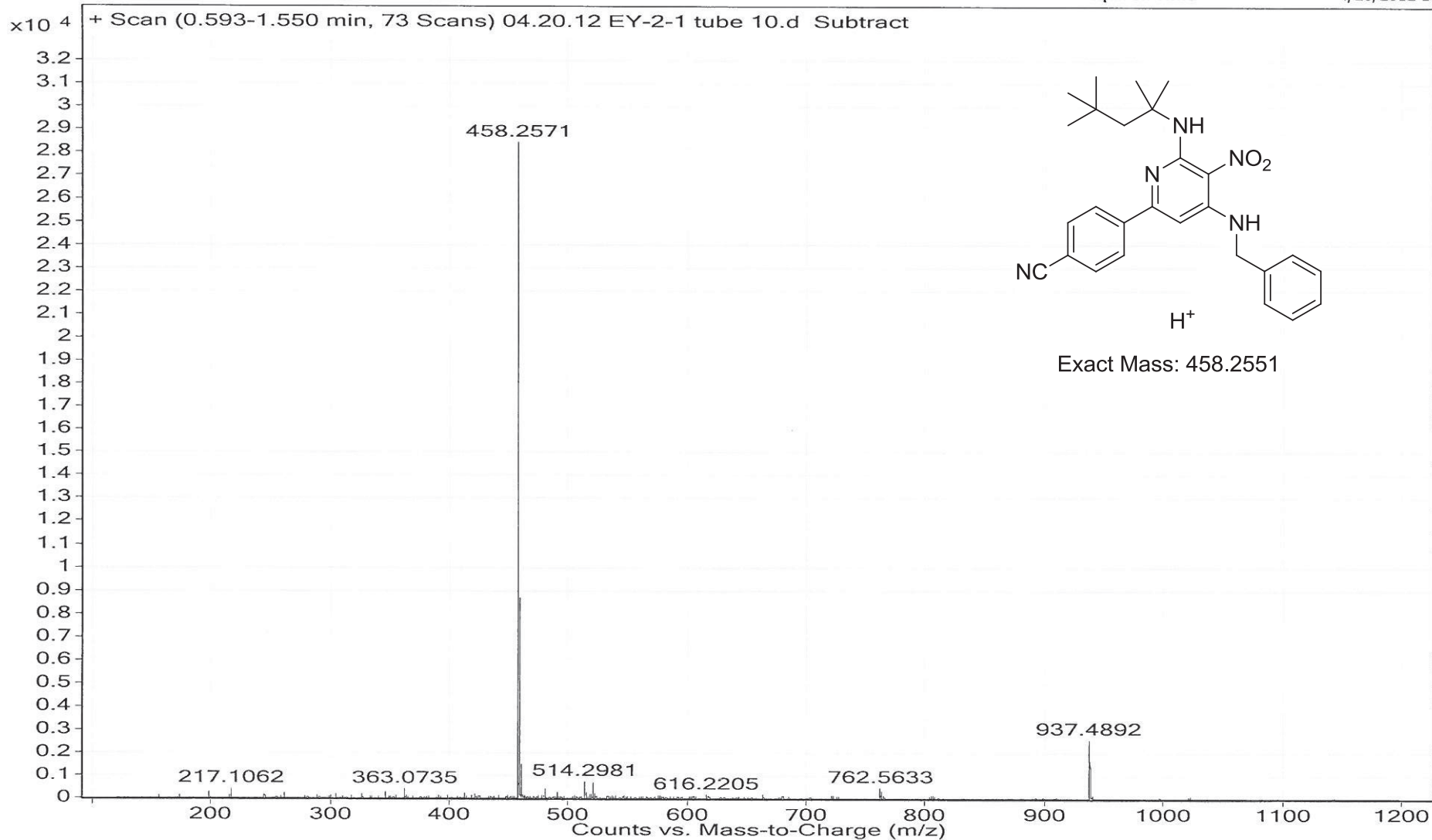


# 20c <sup>13</sup>C NMR



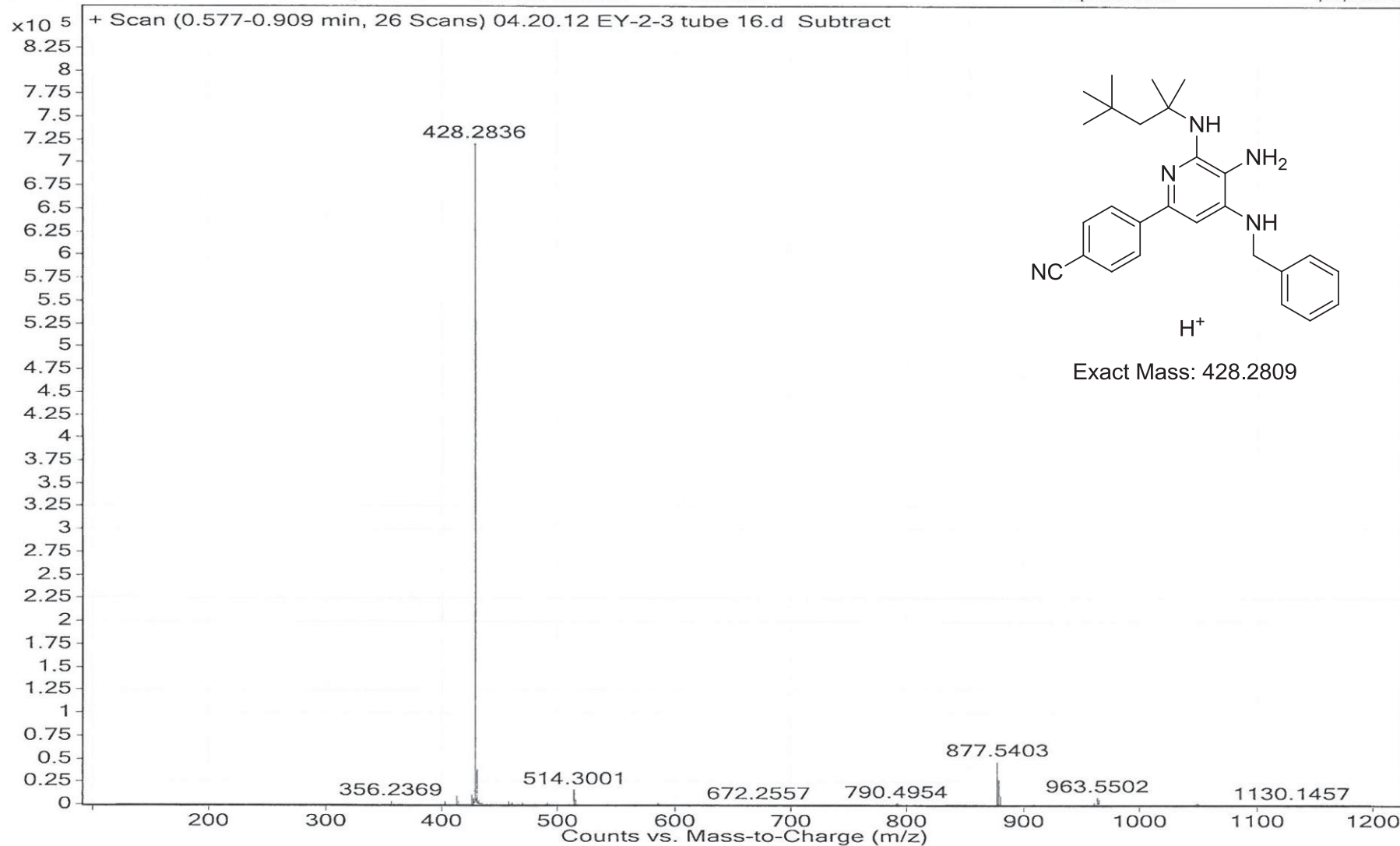
## 20c MS

Sample Name	04.20.12 EY-2-1 tube	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.20.12 EY-2-1 tube	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/20/2012 10:44:50 AM



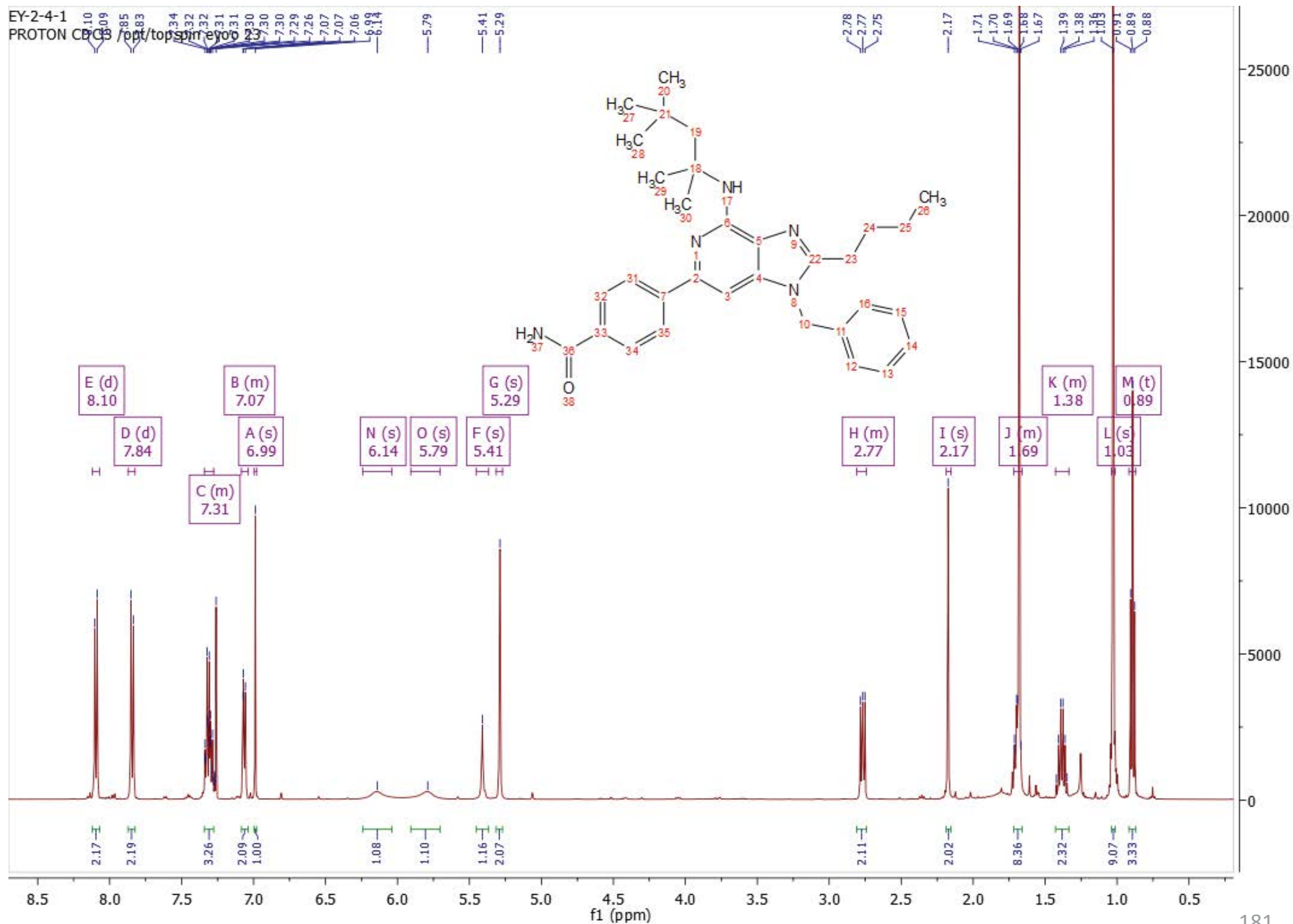
# 21c MS

Sample Name	04.20.12 EY-2-3 tube	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.20.12 EY-2-3 tube	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/20/2012 2:29:52 PM

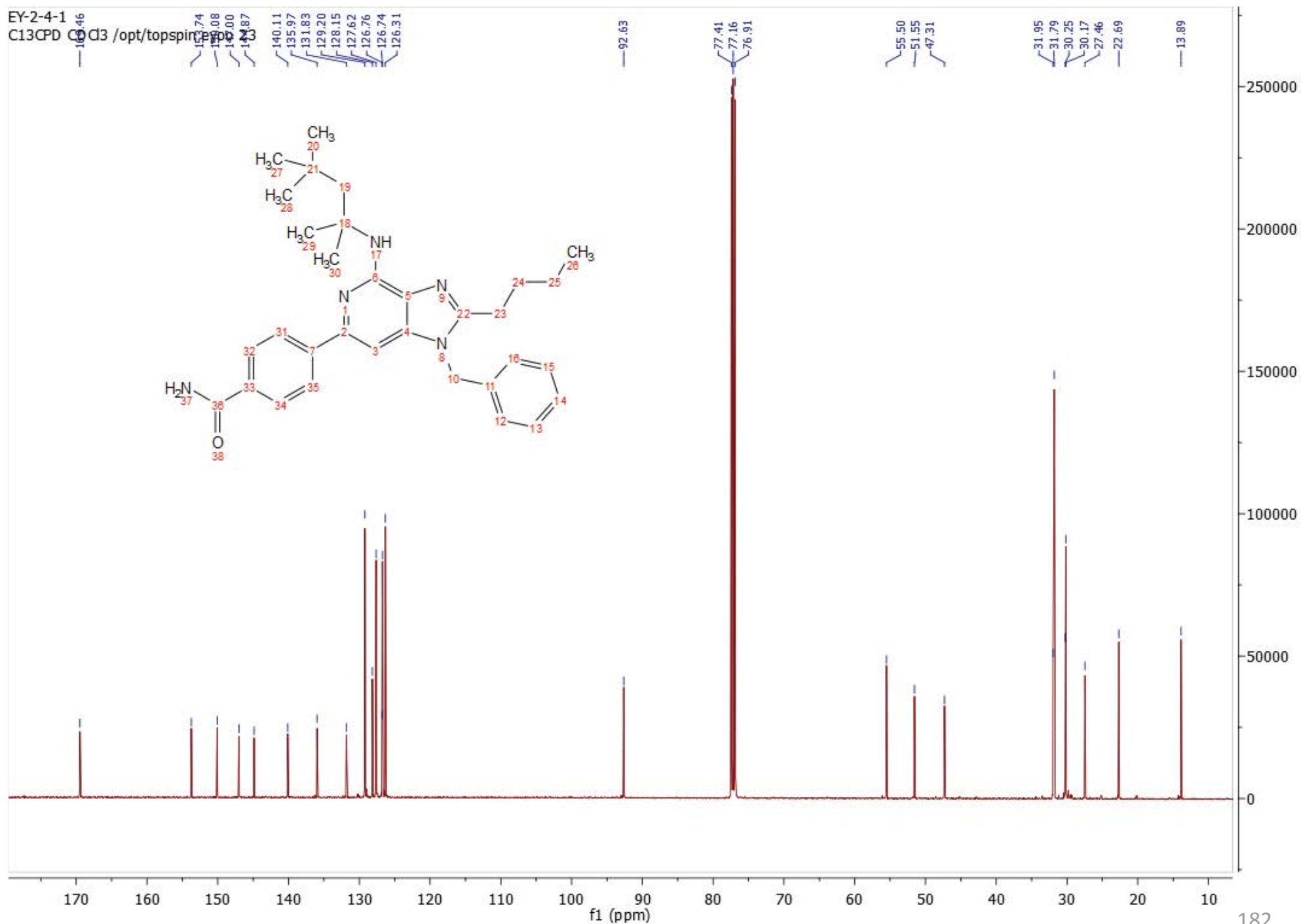




# 22c <sup>1</sup>H NMR

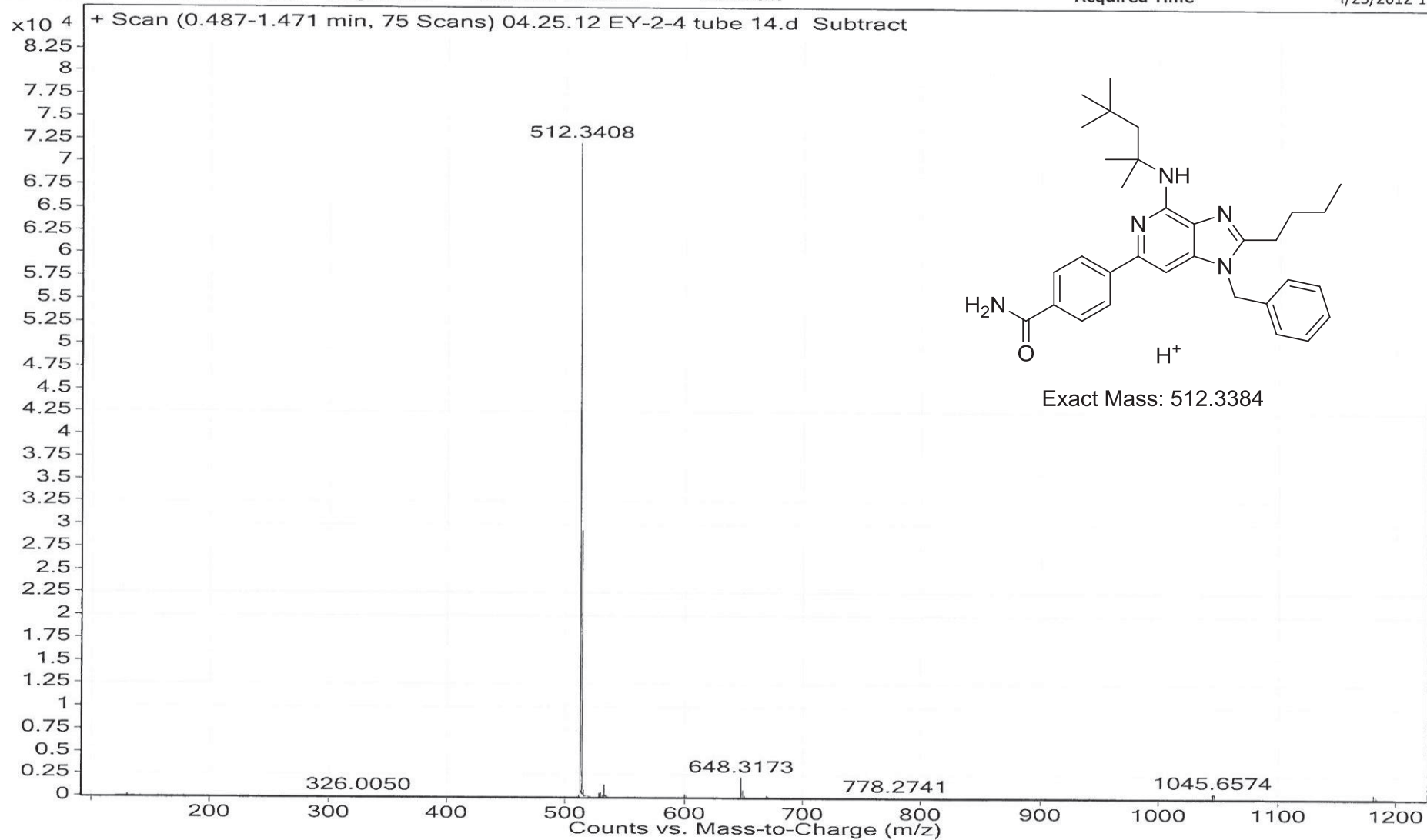


# 22c <sup>13</sup>C NMR

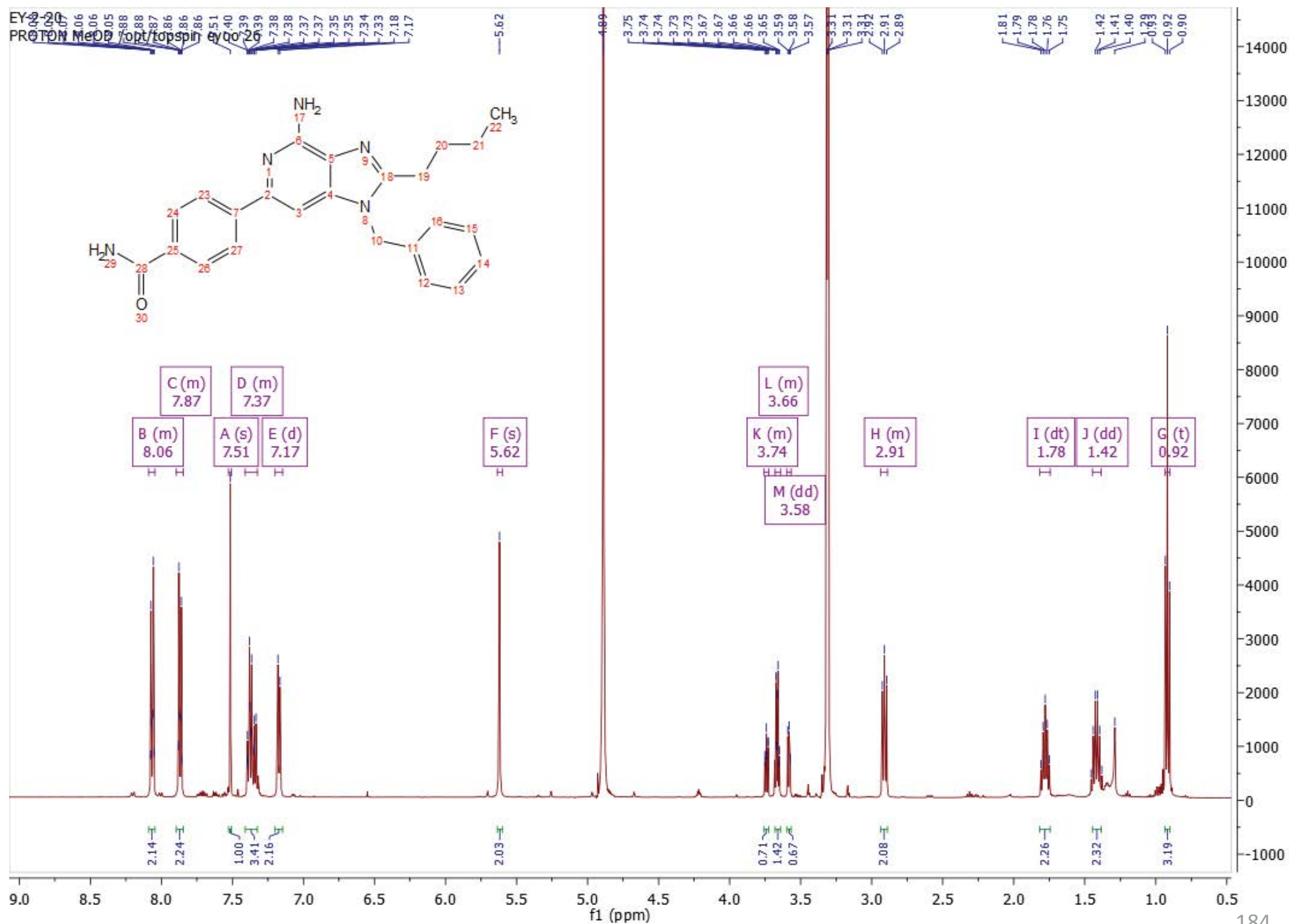


## 22c MS

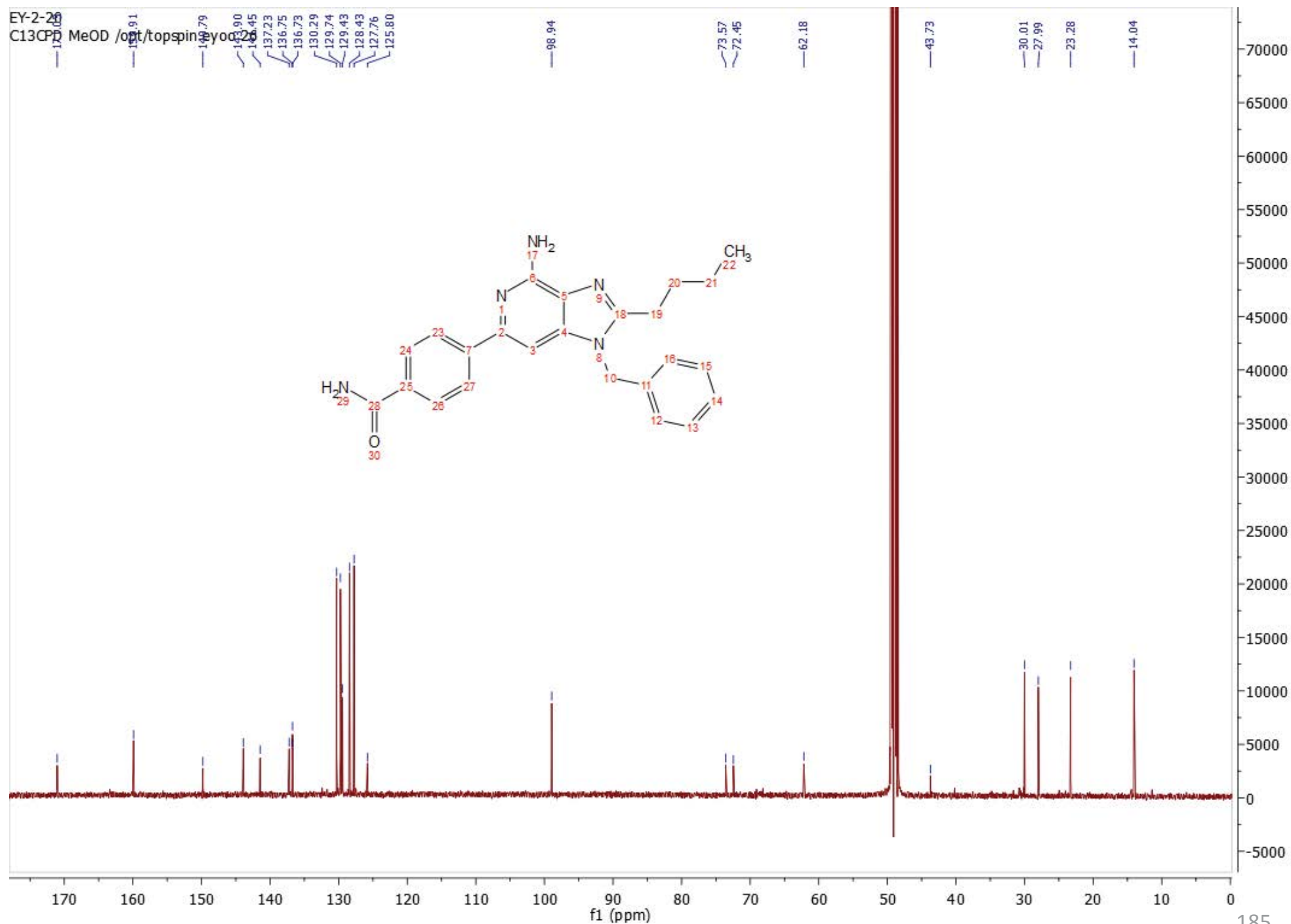
Sample Name	04.25.12 EY-2-4 tube	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.25.12 EY-2-4 tube	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/25/2012 12:28:30 PM



# 23c <sup>1</sup>H NMR

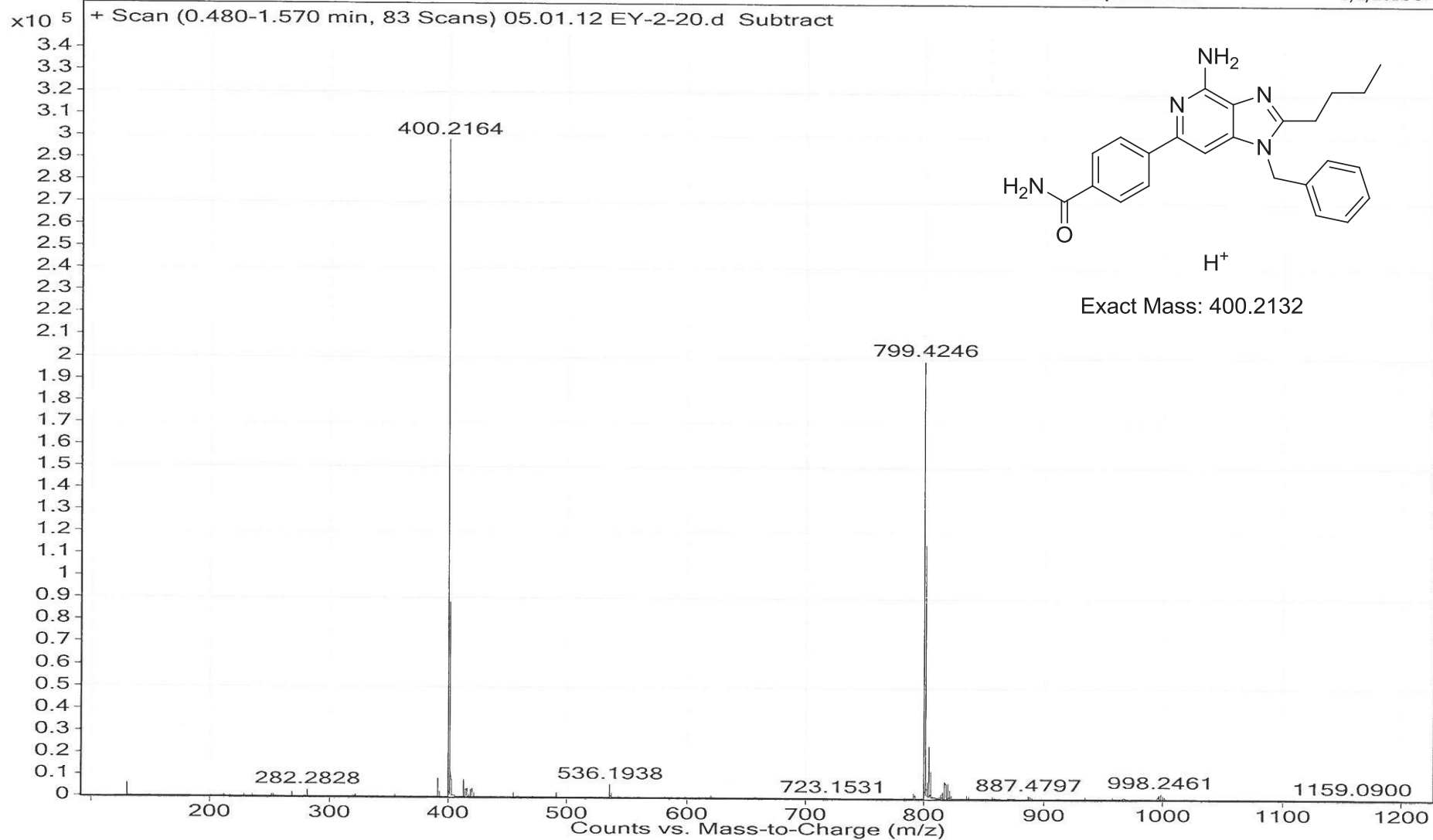


# **23c** <sup>13</sup>C NMR



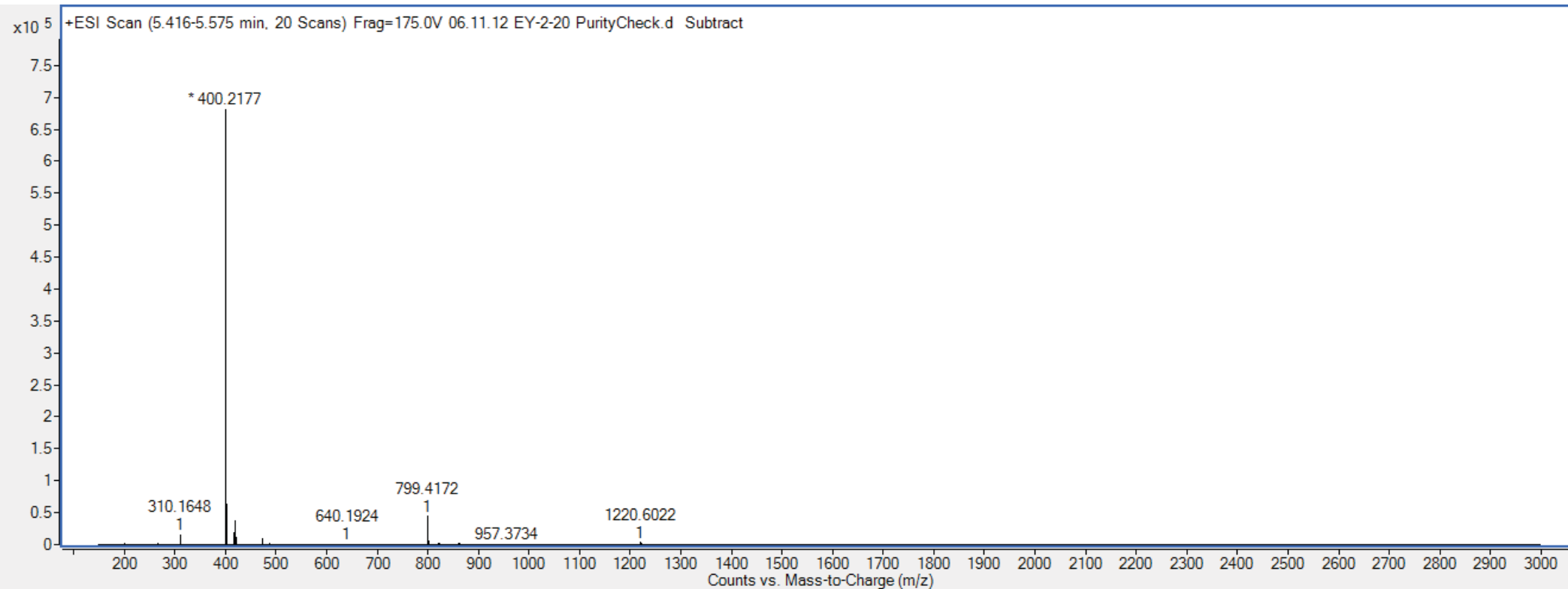
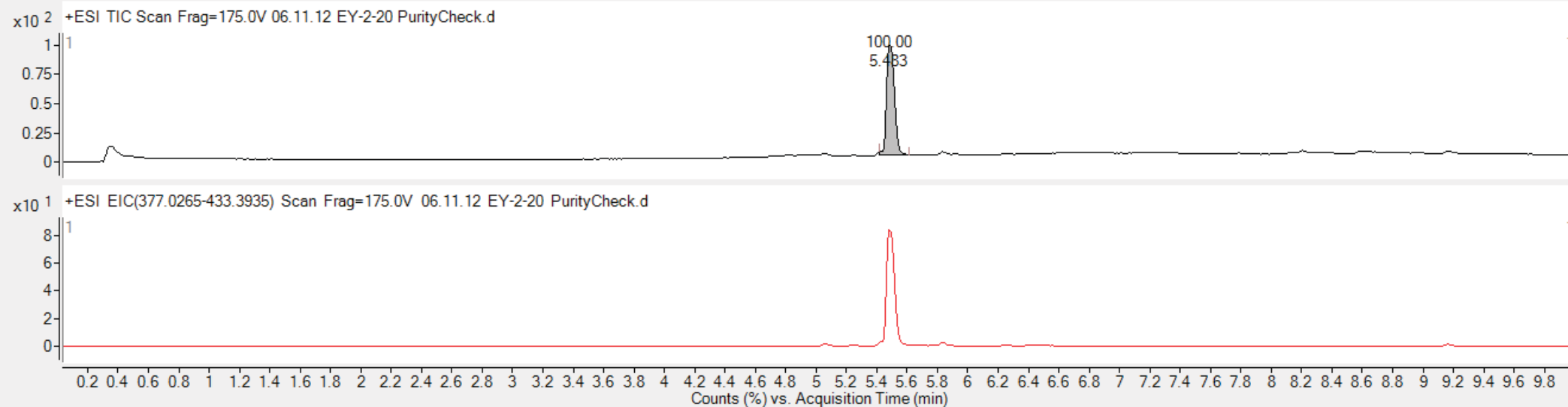
## 23c MS

Sample Name	05.01.12 EY-2-20	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.01.12 EY-2-20.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/1/2012 5:43:06 PM



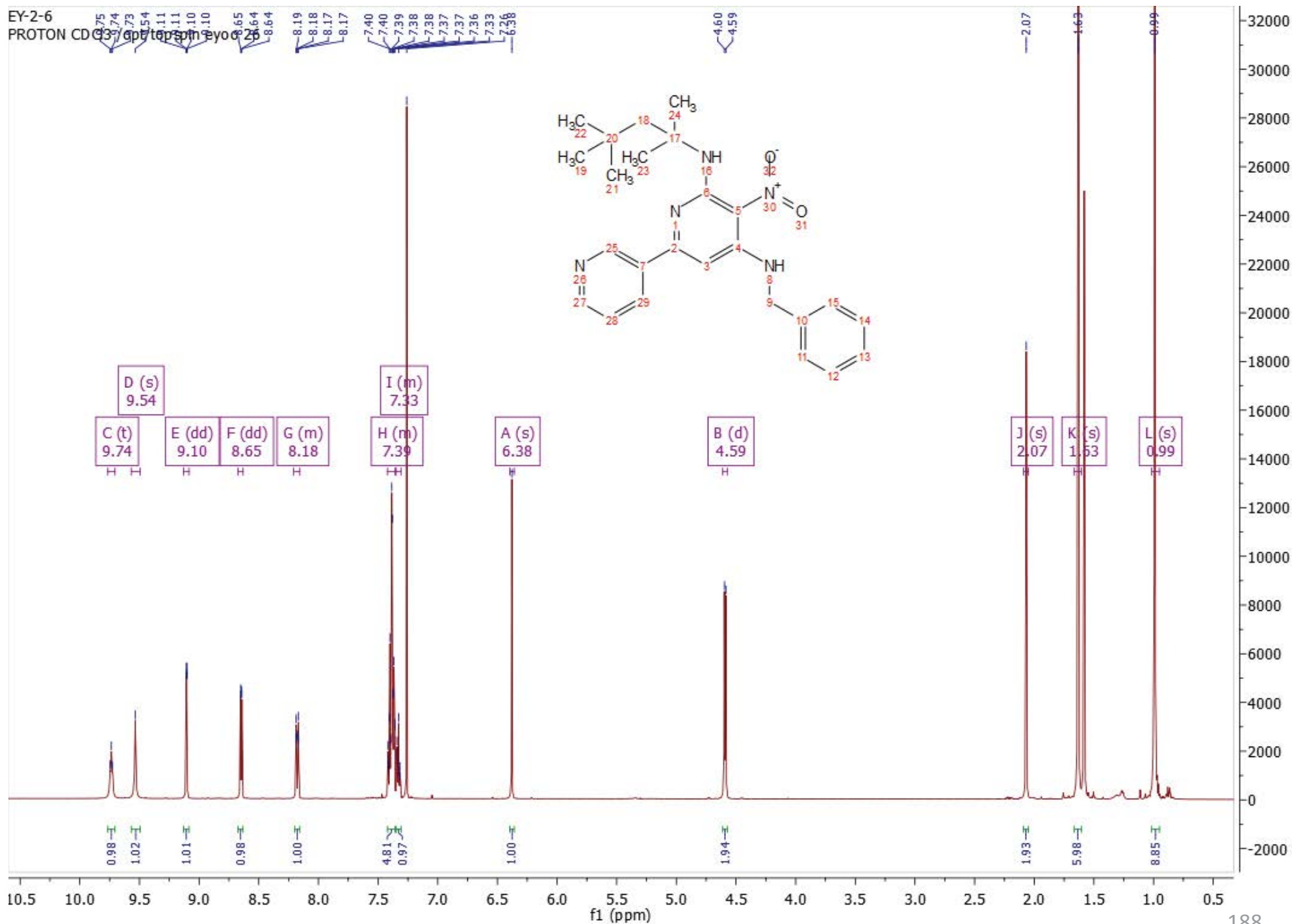


## 23c LC-MS

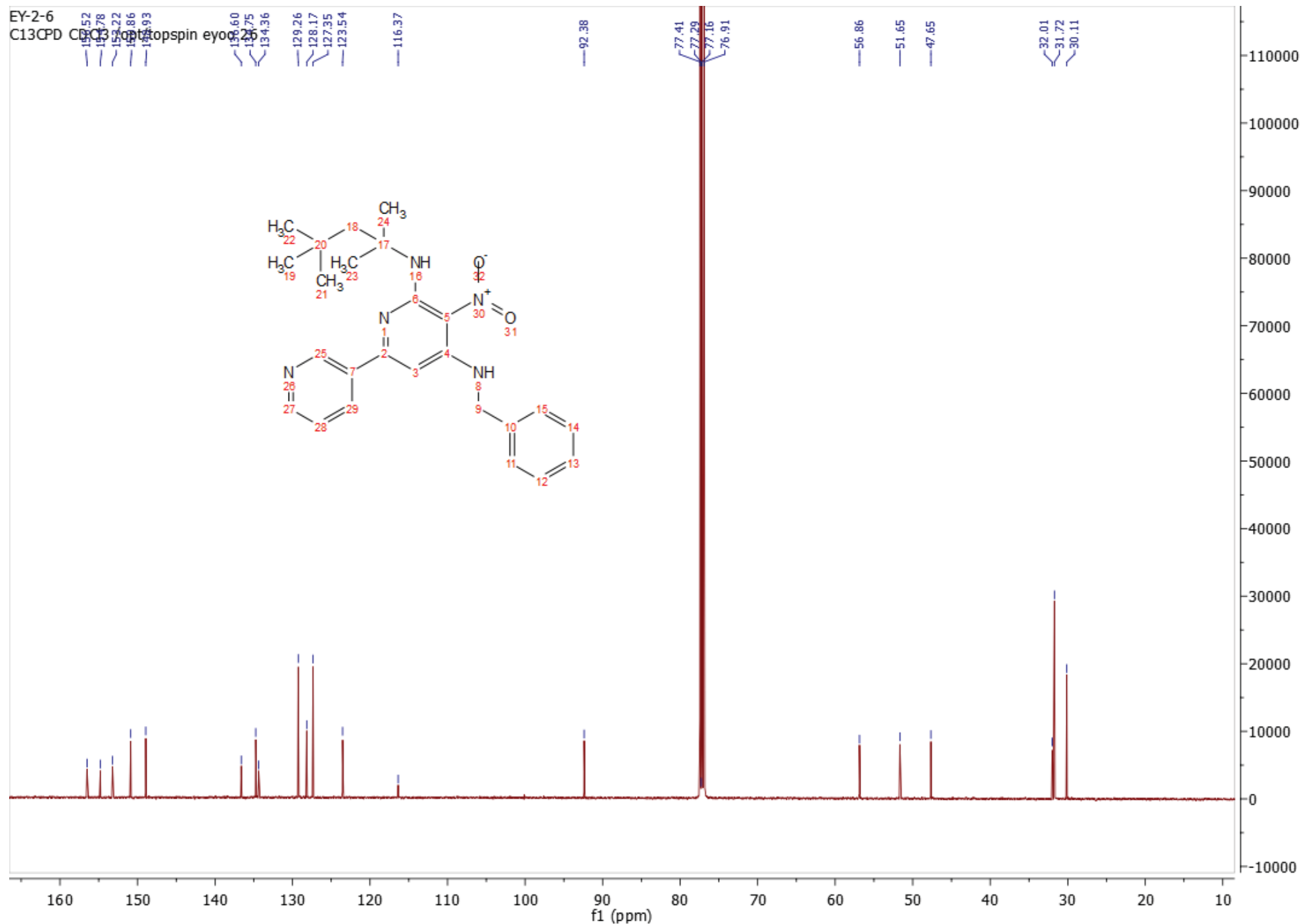




# 20d <sup>1</sup>H NMR

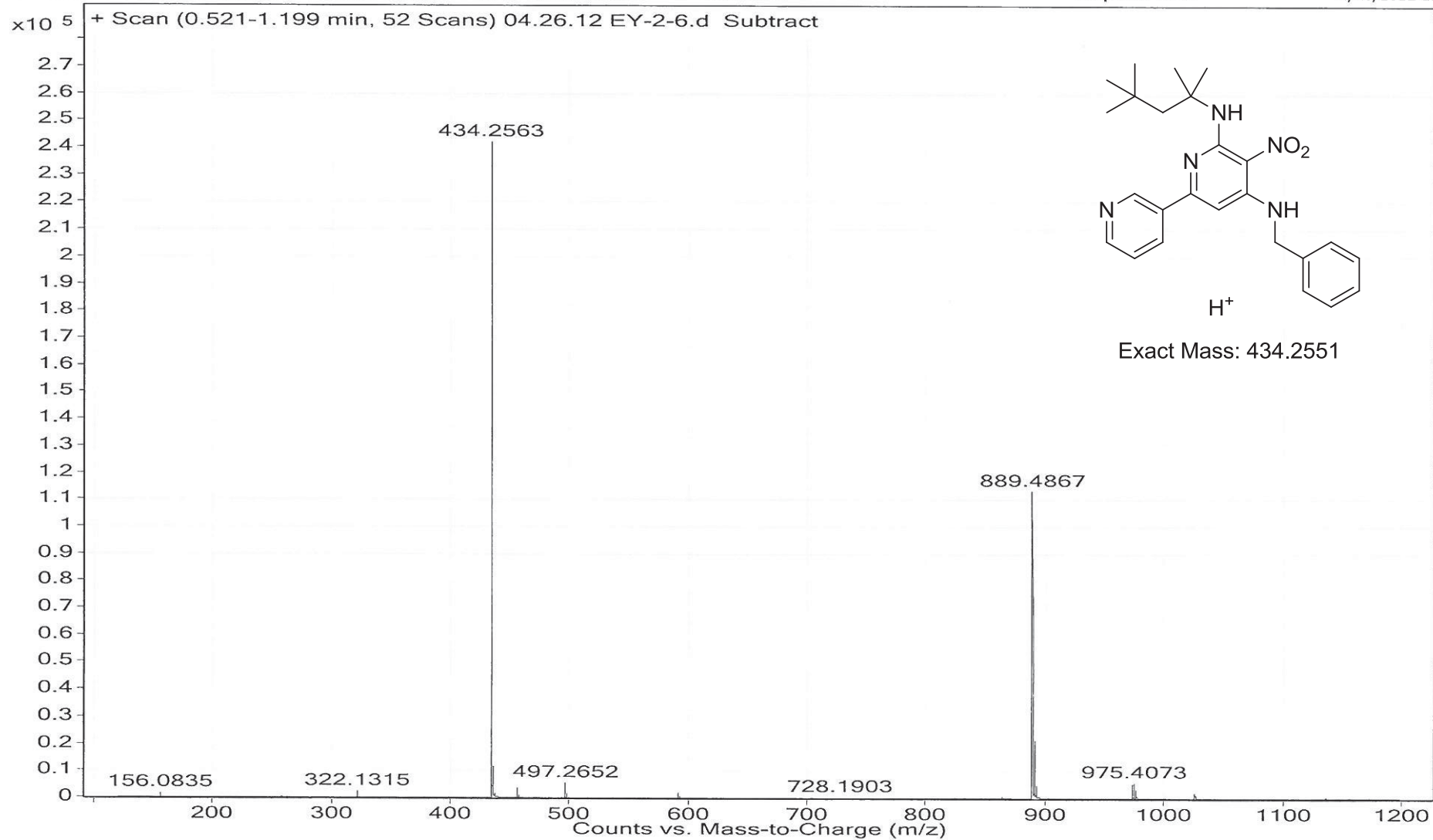


# 20d <sup>13</sup>C NMR



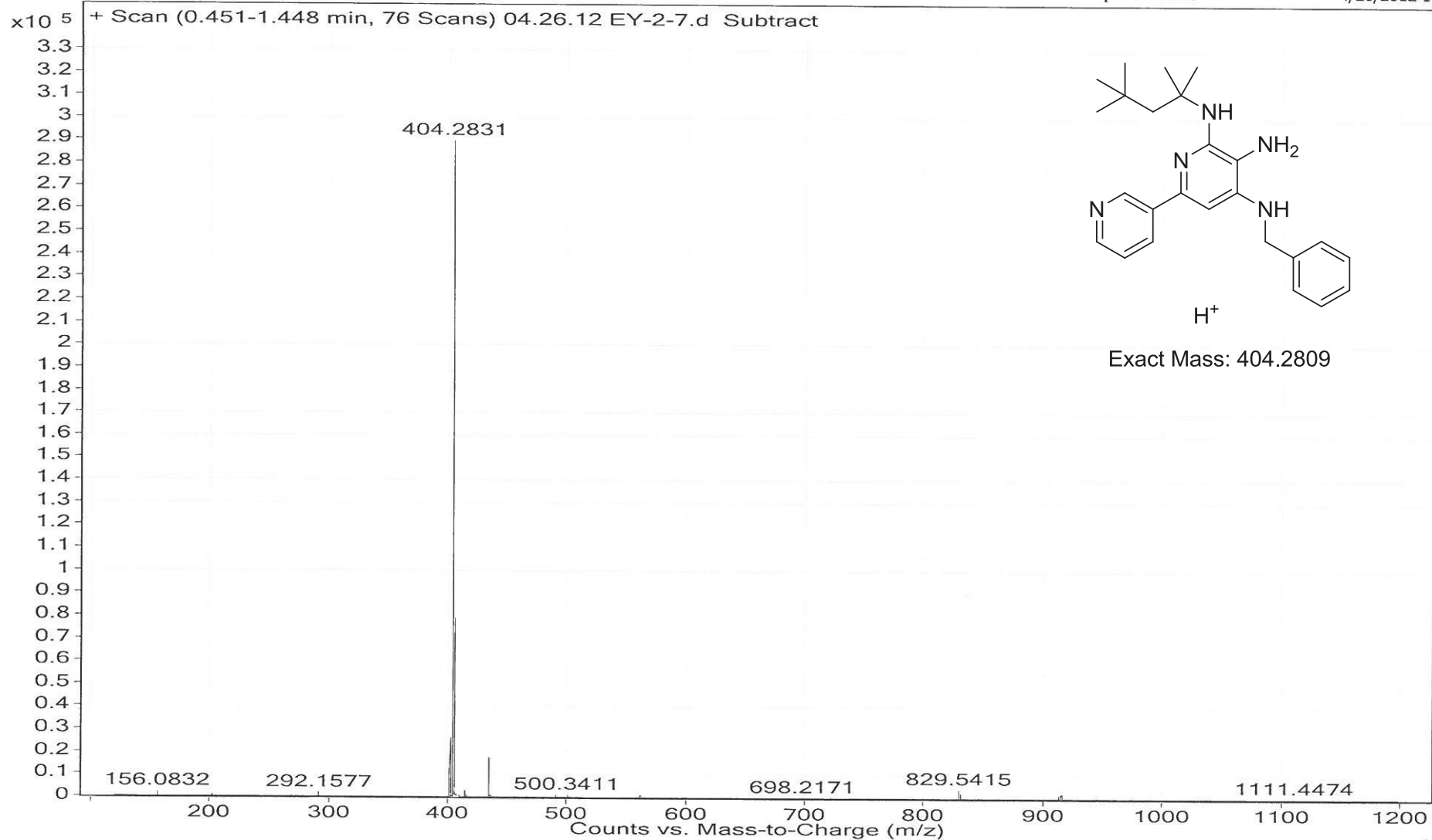
## 20d MS

Sample Name	04.26.12 EY-2-6	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.26.12 EY-2-6.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/26/2012 11:01:09 AM



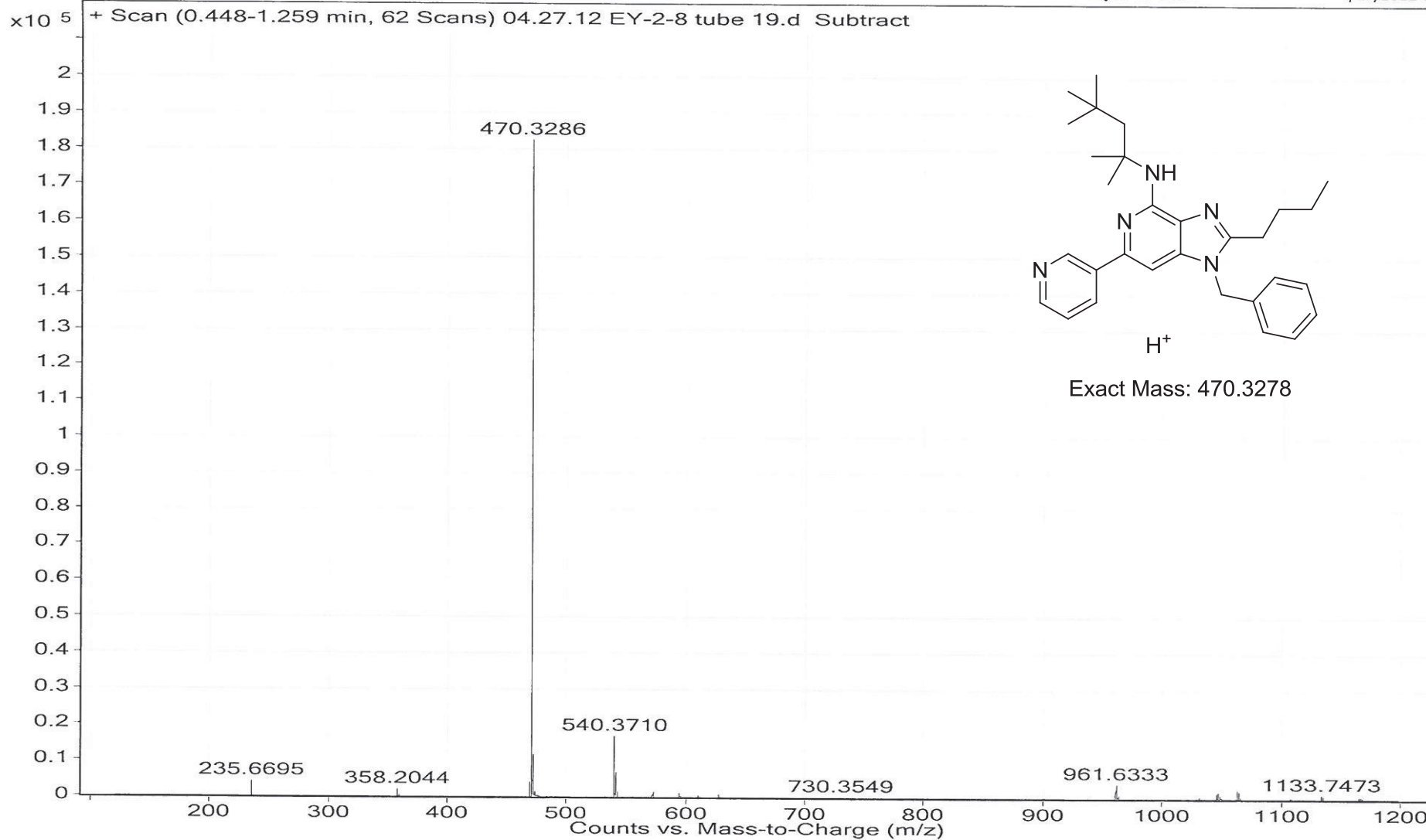
# 21d MS

Sample Name	04.26.12 EY-2-7	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.26.12 EY-2-7.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/26/2012 1:11:22 PM

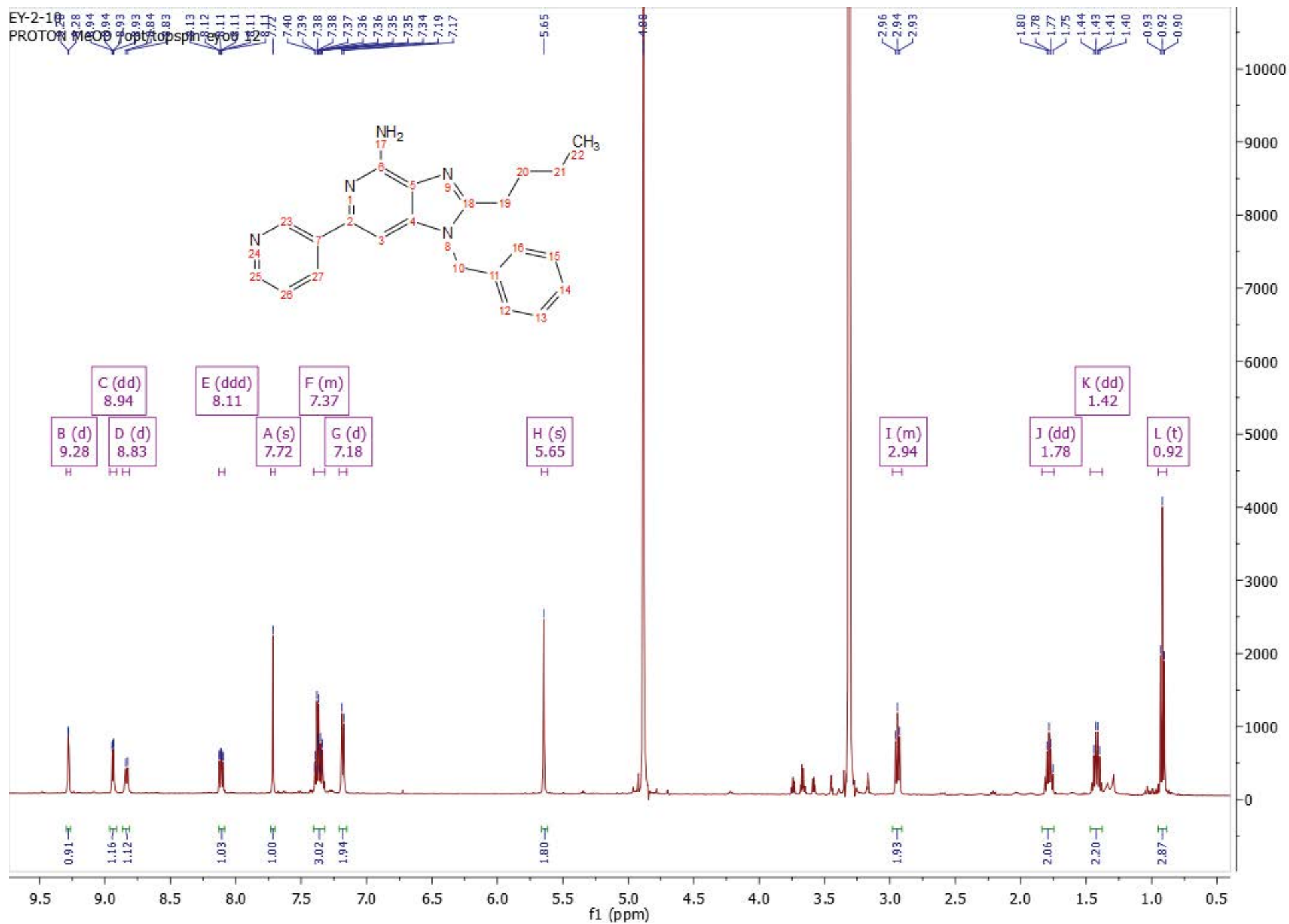


## 22d MS

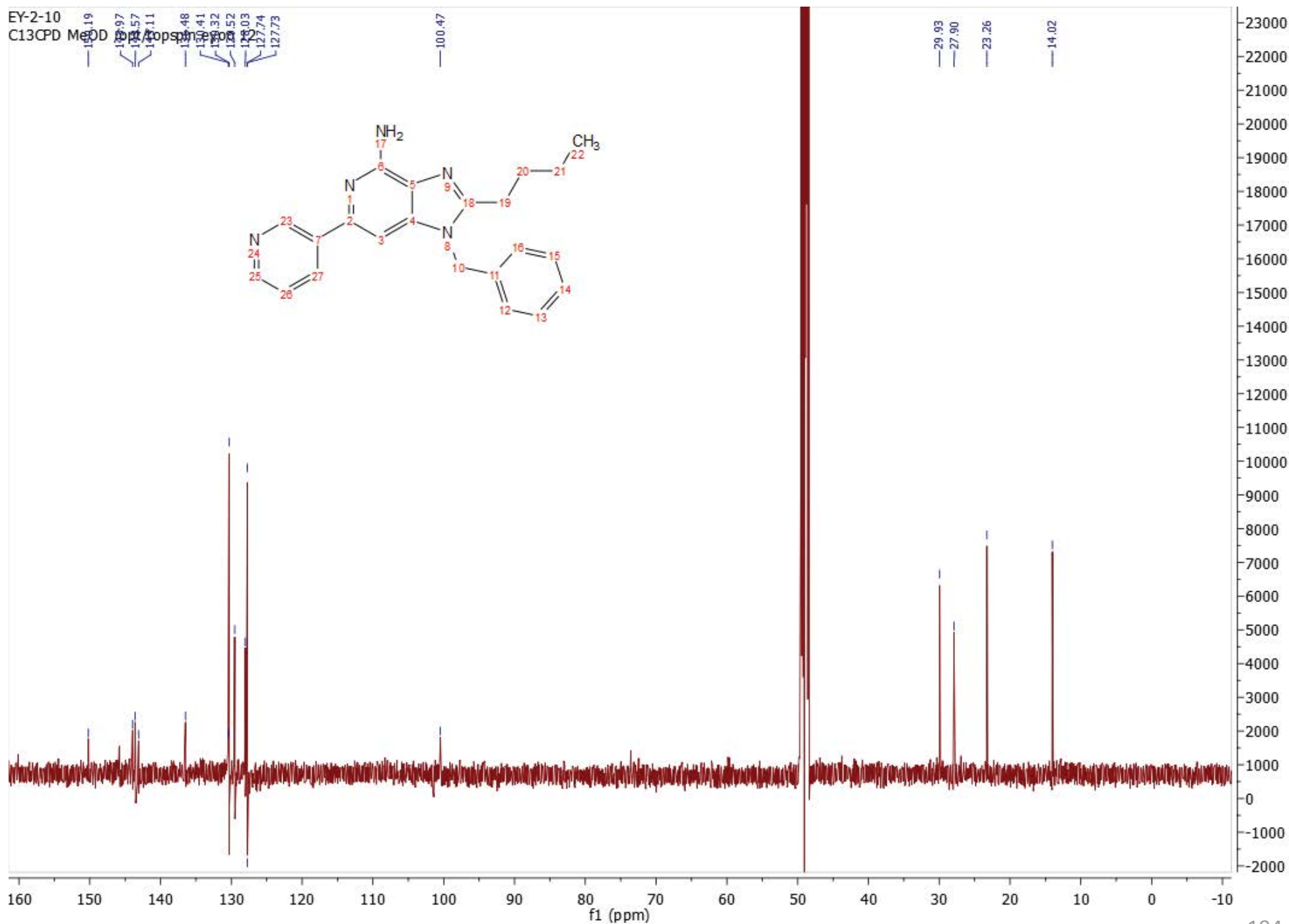
Sample Name	04.27.12 EY-2-8 tube	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.27.12 EY-2-8 tube	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/27/2012 11:01:33 AM



# 23d <sup>1</sup>H NMR



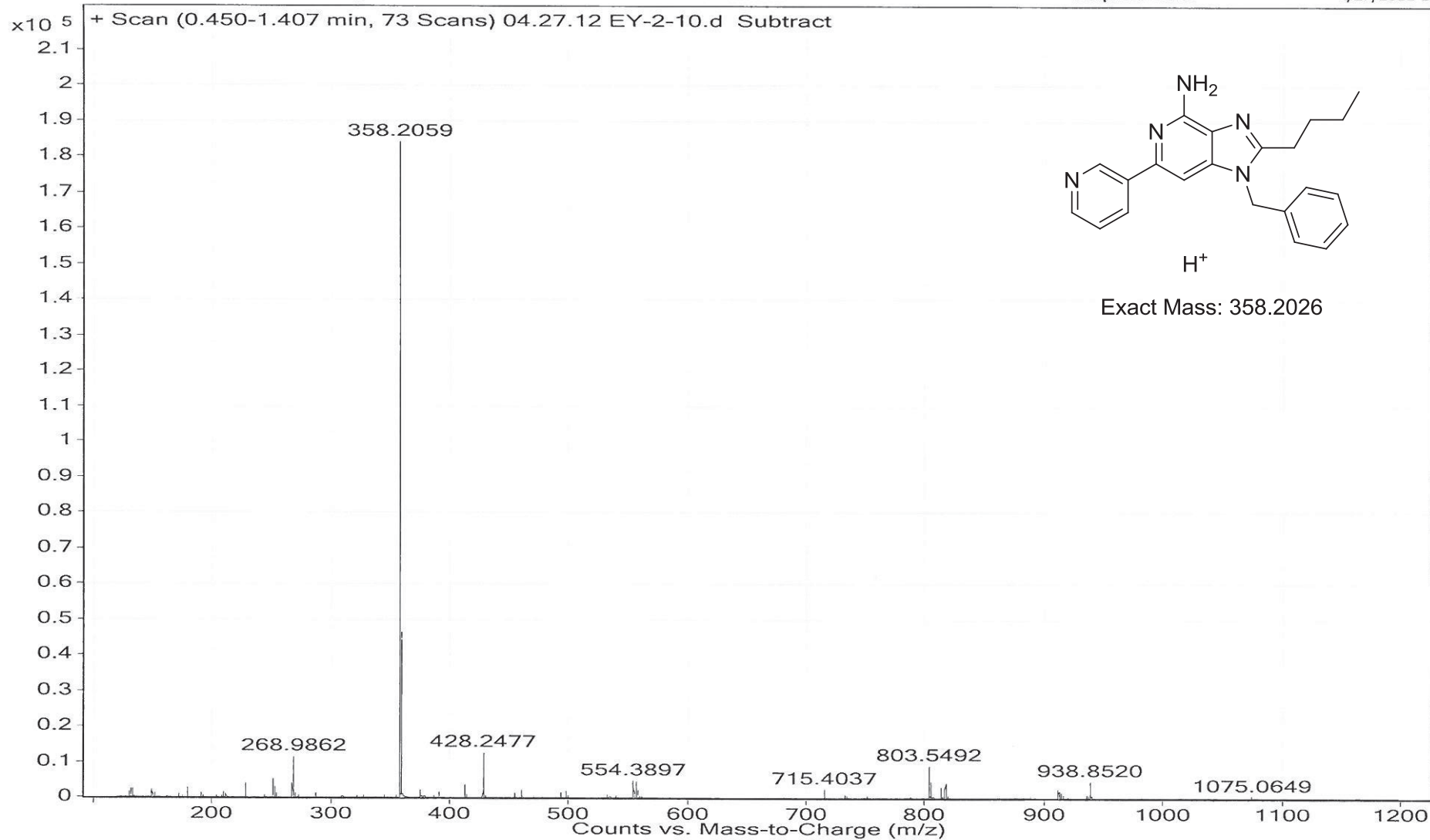
# 23d <sup>13</sup>C NMR



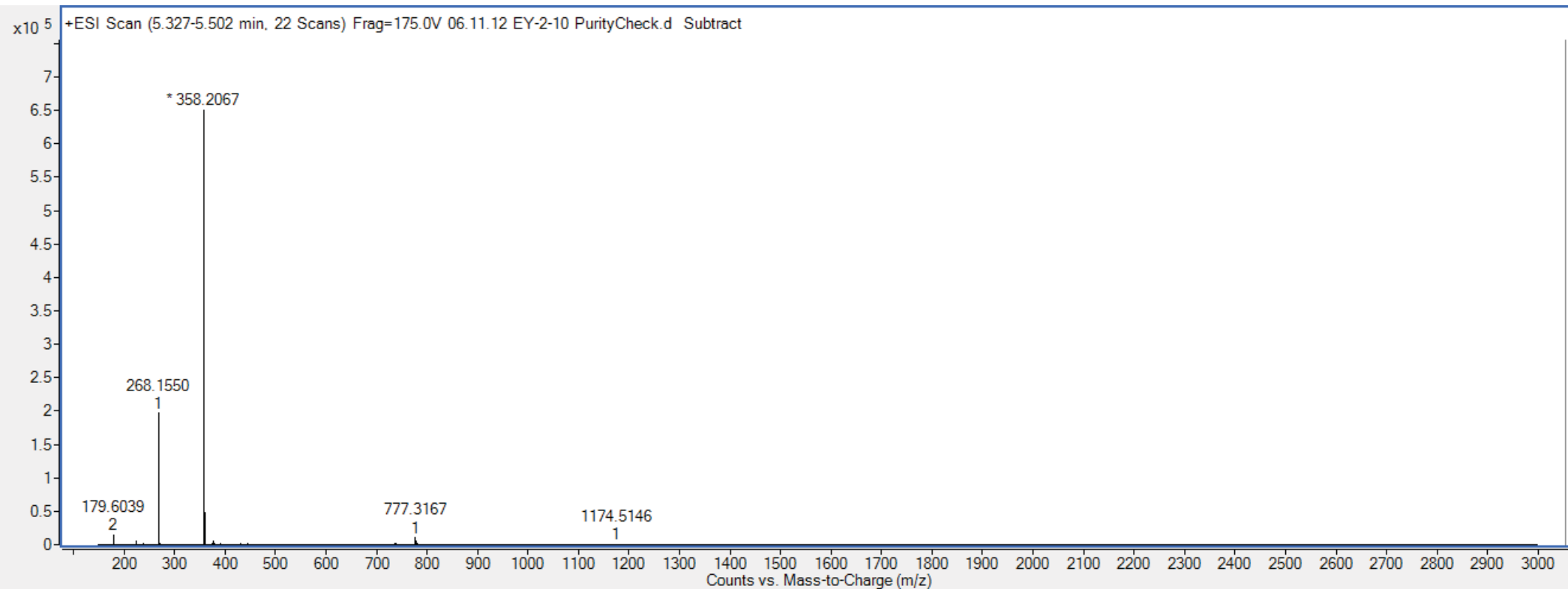
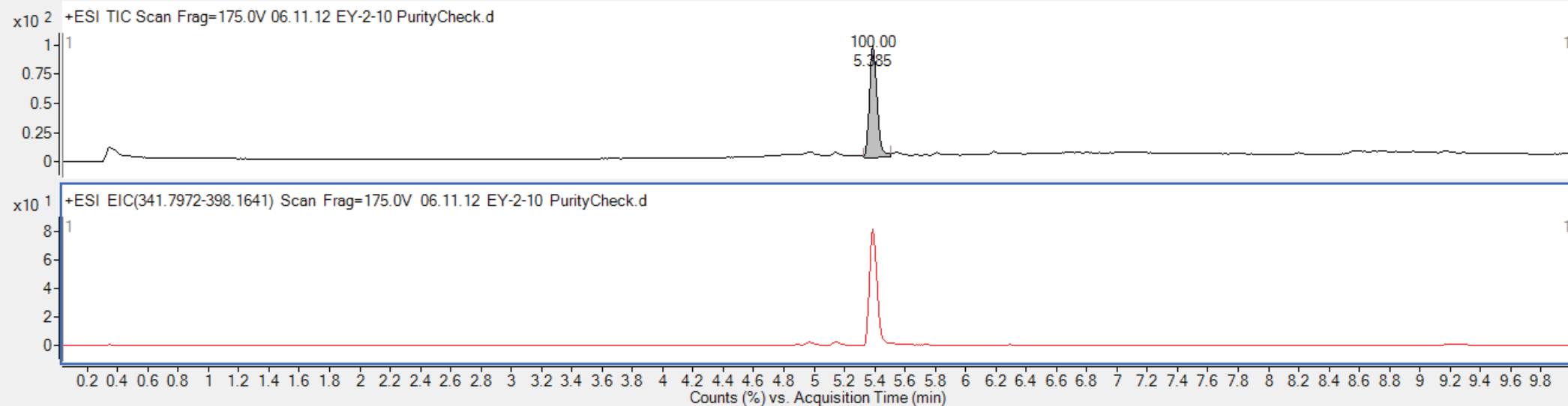


# 23d MS

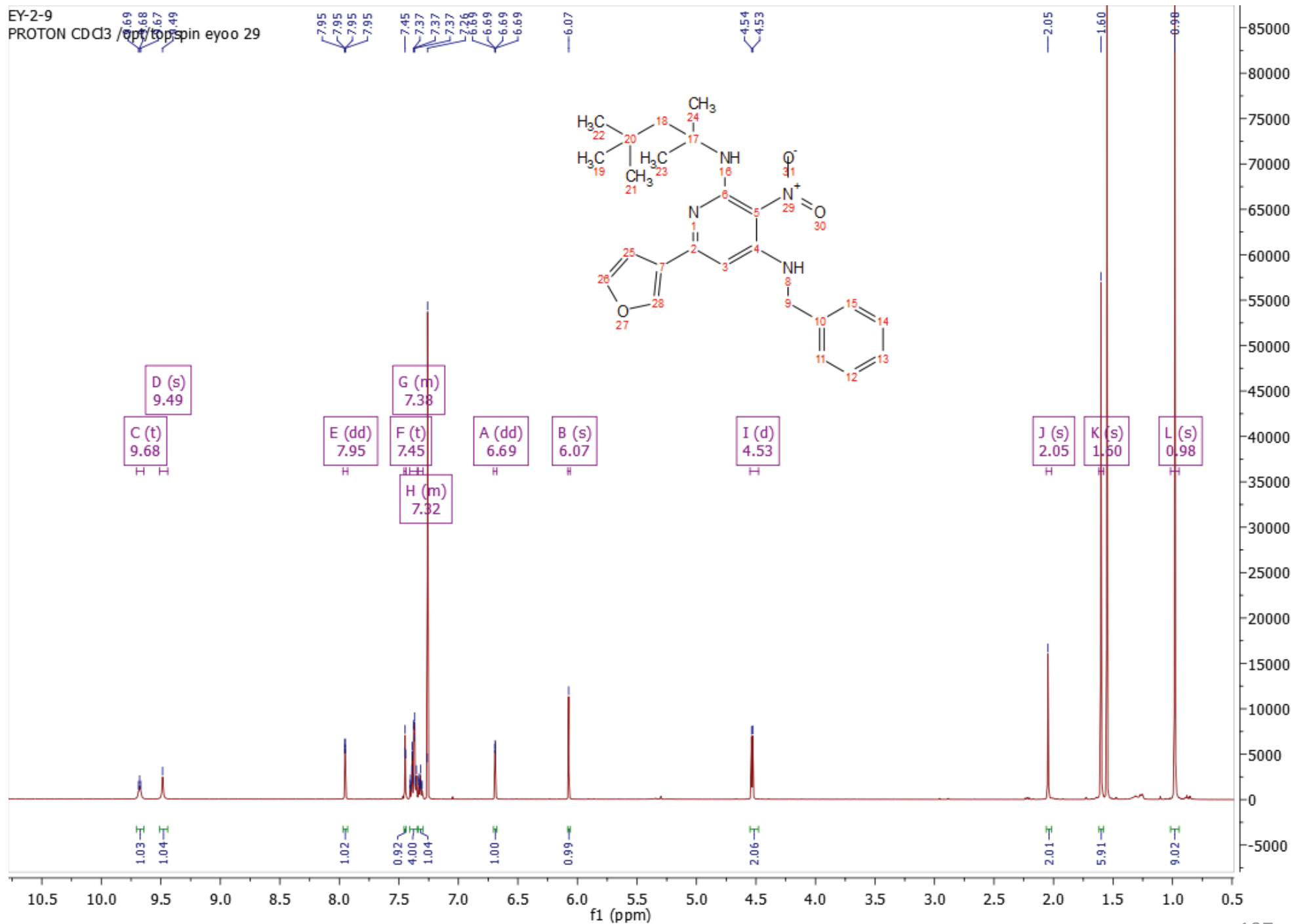
Sample Name	04.27.12 EY-2-10	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.27.12 EY-2-10.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/27/2012 12:49:58 PM



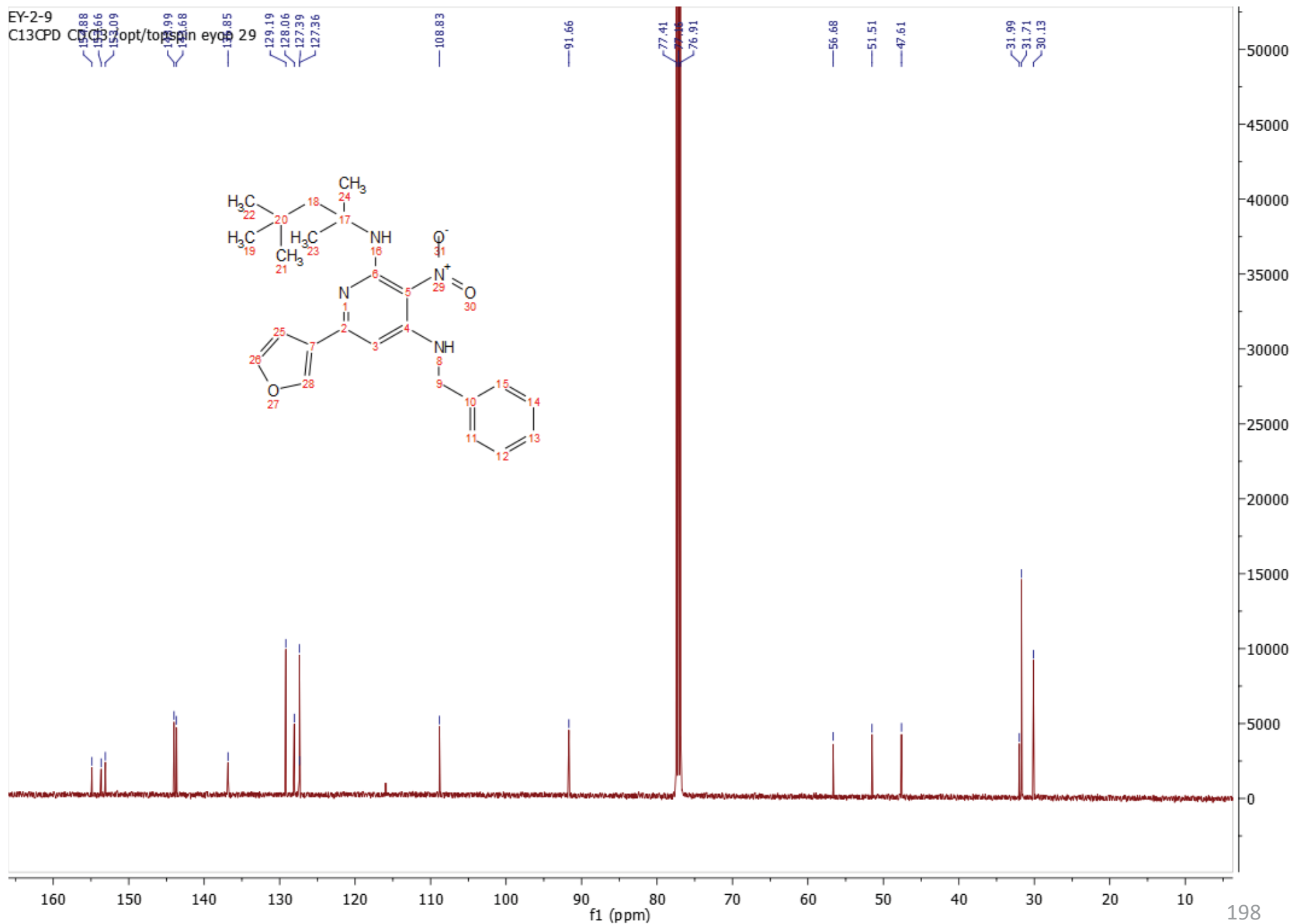
## 23d LC-MS



# 20e <sup>1</sup>H NMR

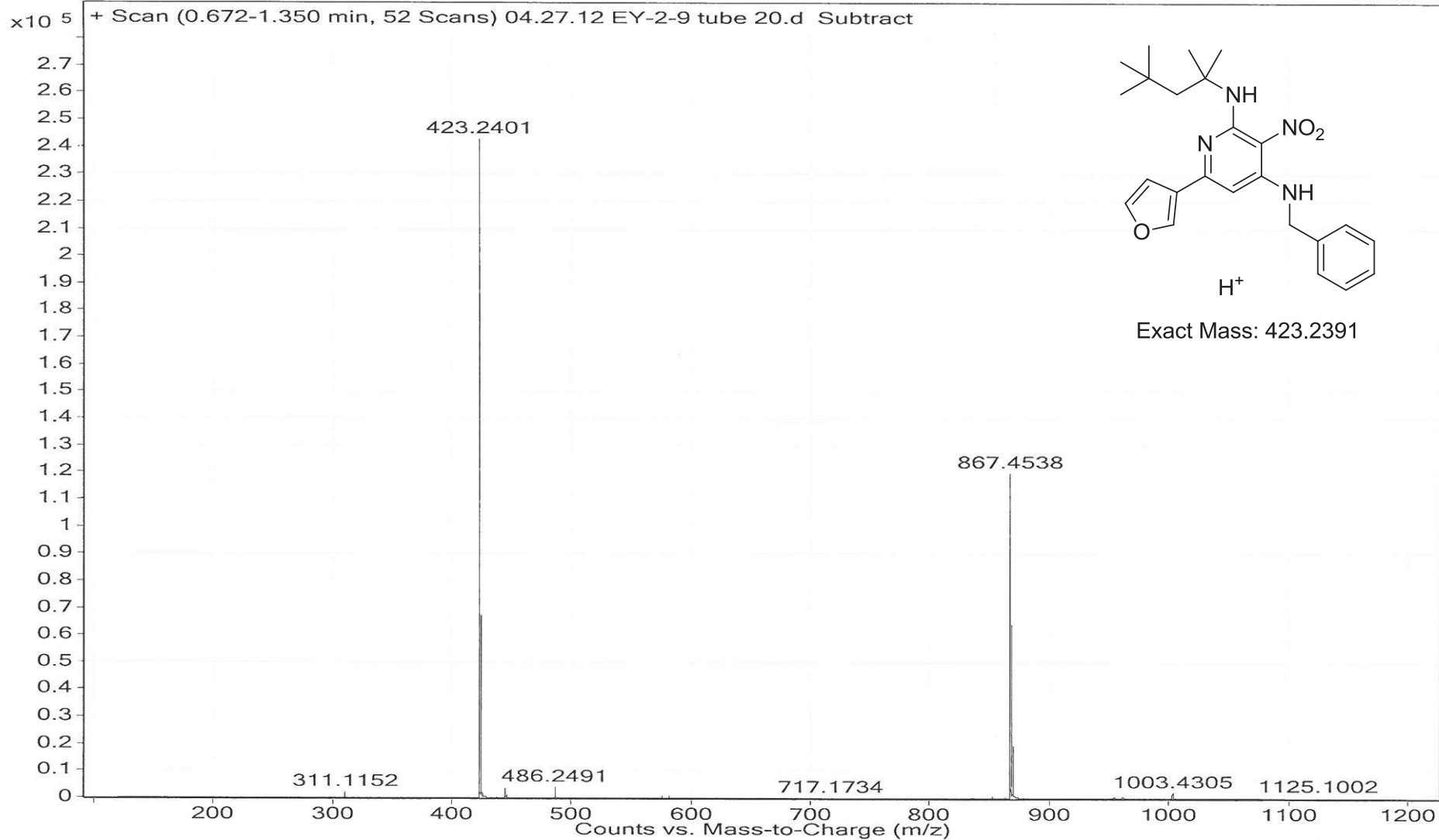


# 20e <sup>13</sup>C NMR



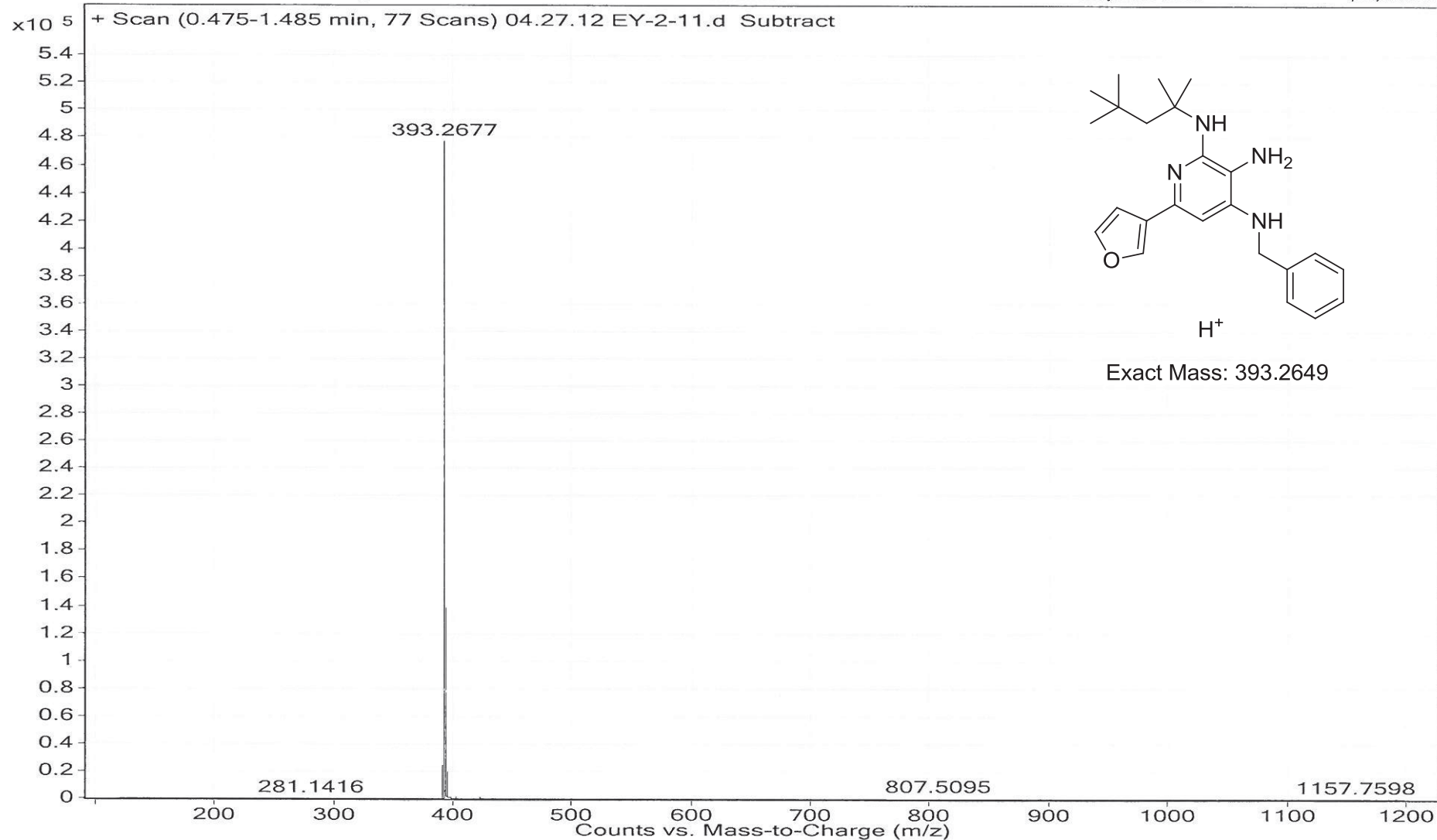
## 20e MS

Sample Name	04.27.12 EY-2-9 tube	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.27.12 EY-2-9 tube	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/27/2012 12:19:15 PM

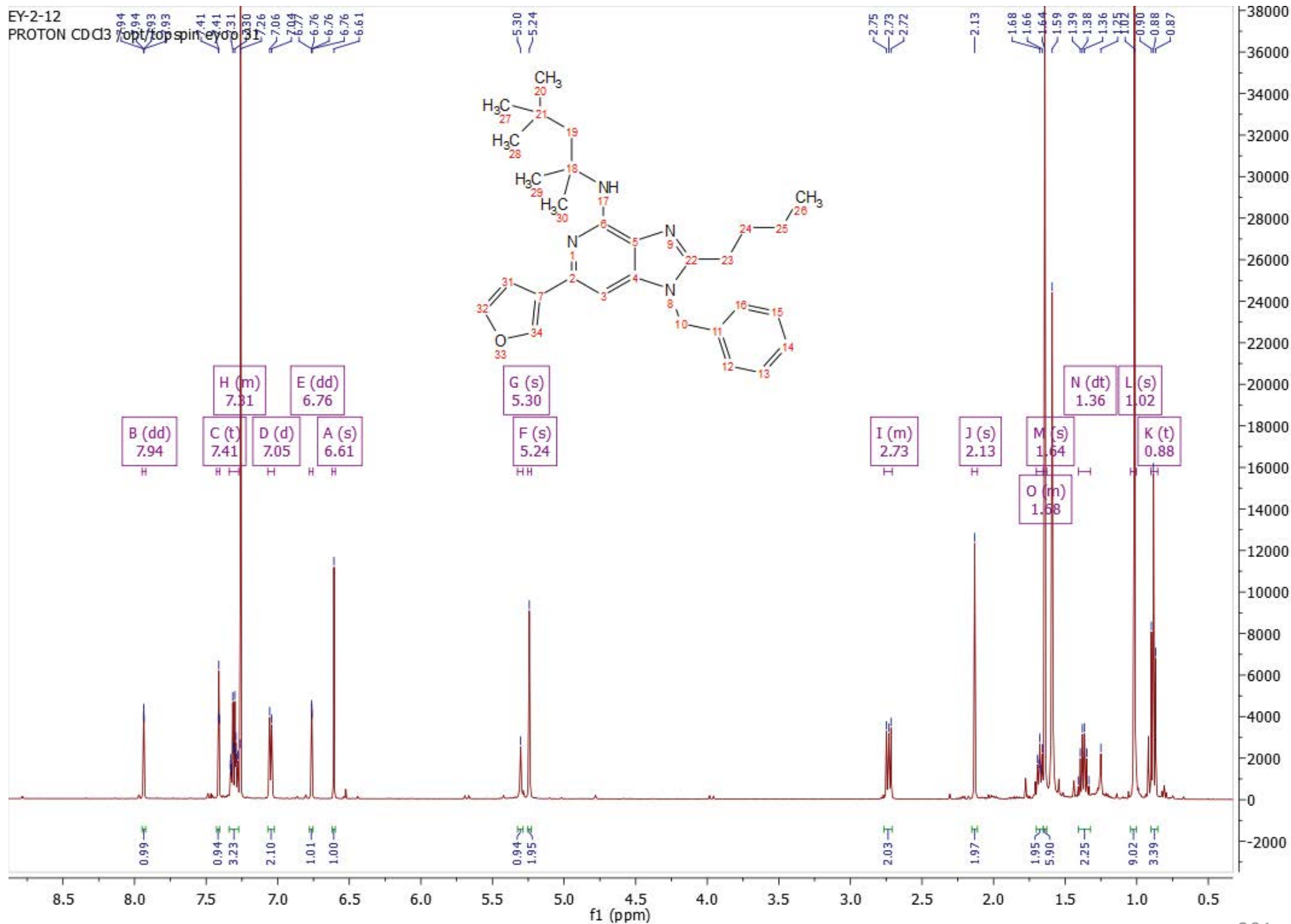


# 21e MS

Sample Name	04.27.12 EY-2-11	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.27.12 EY-2-11.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/27/2012 3:15:09 PM

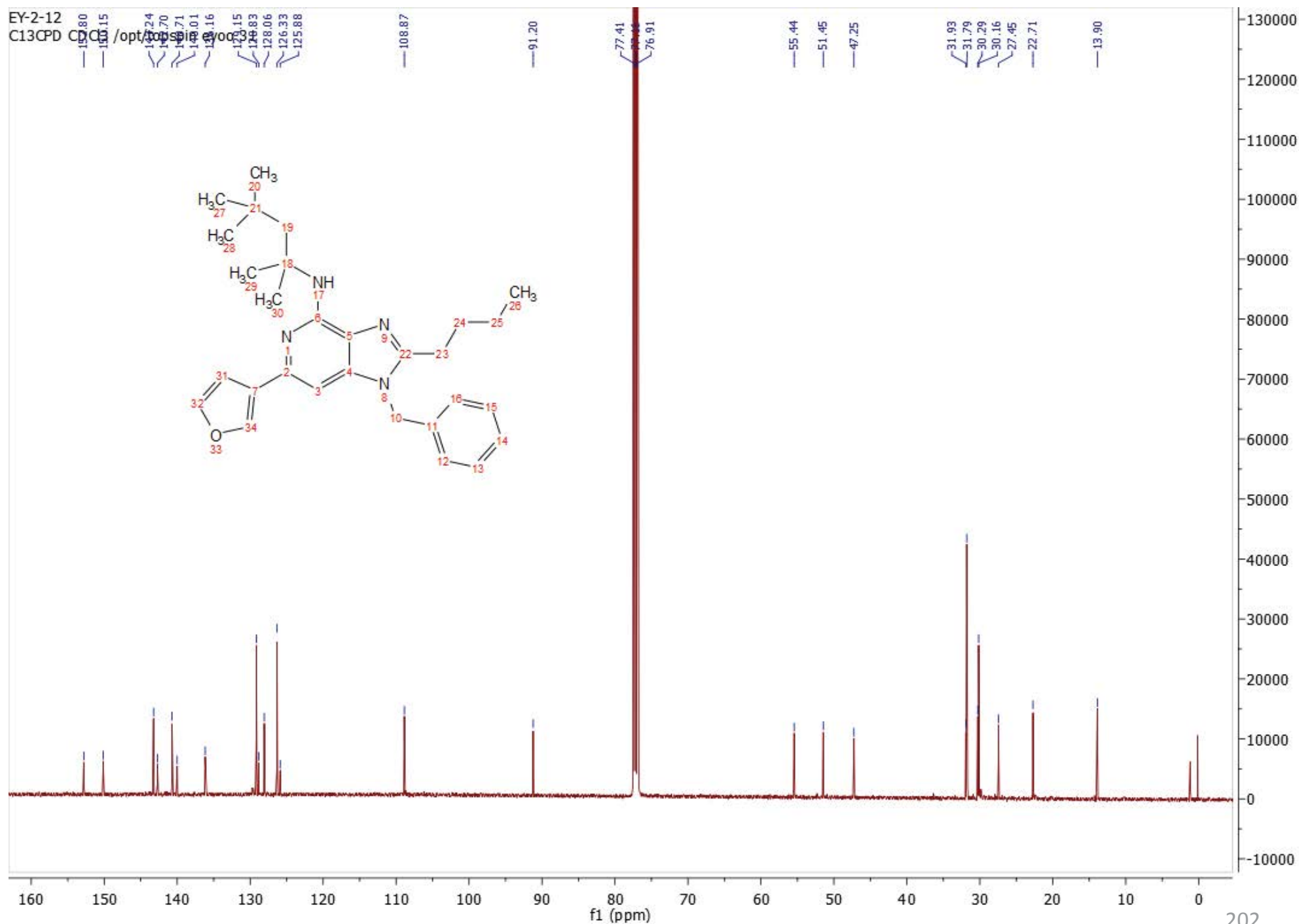


# 22e <sup>1</sup>H NMR



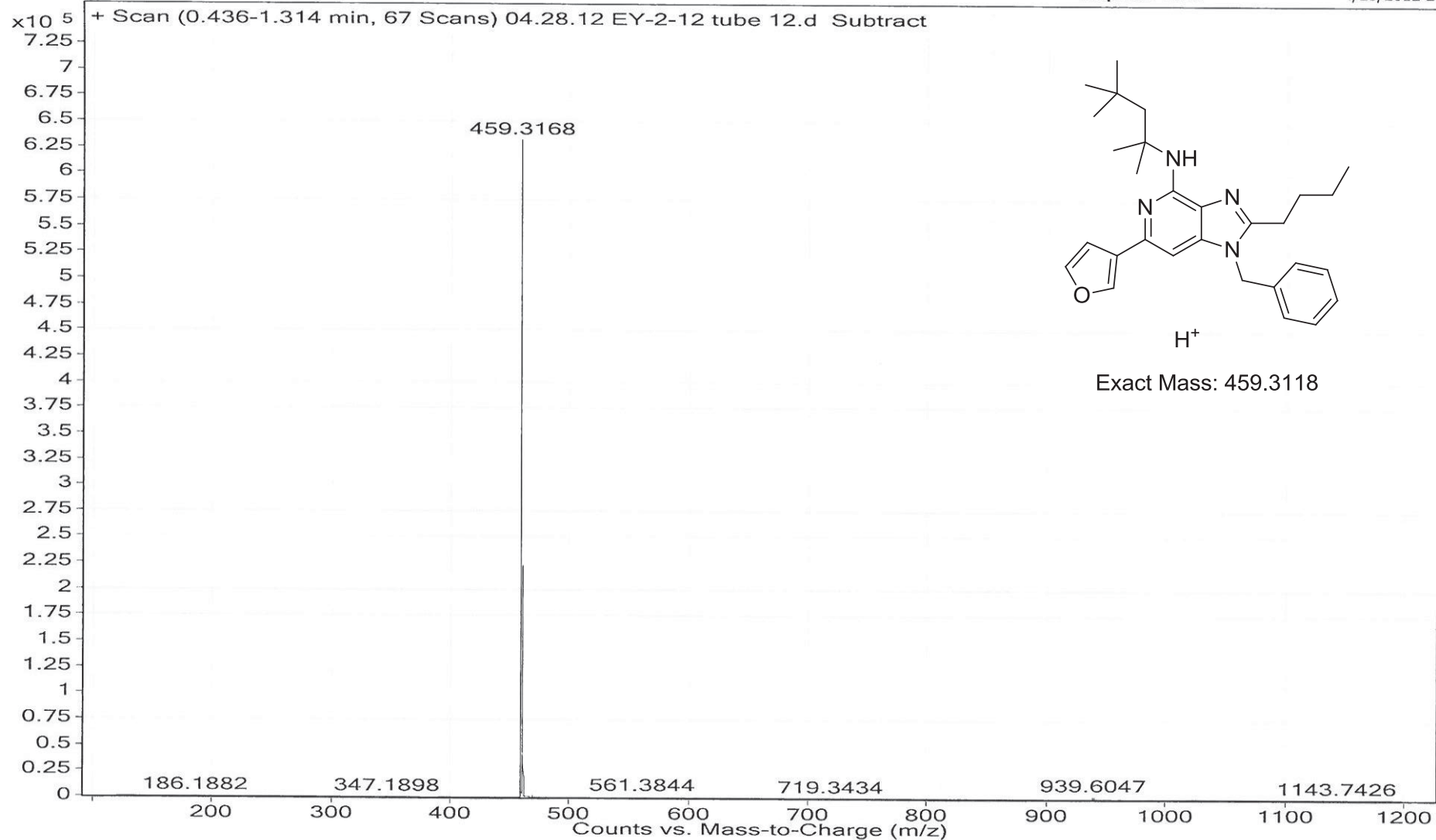


# 22e <sup>13</sup>C NMR



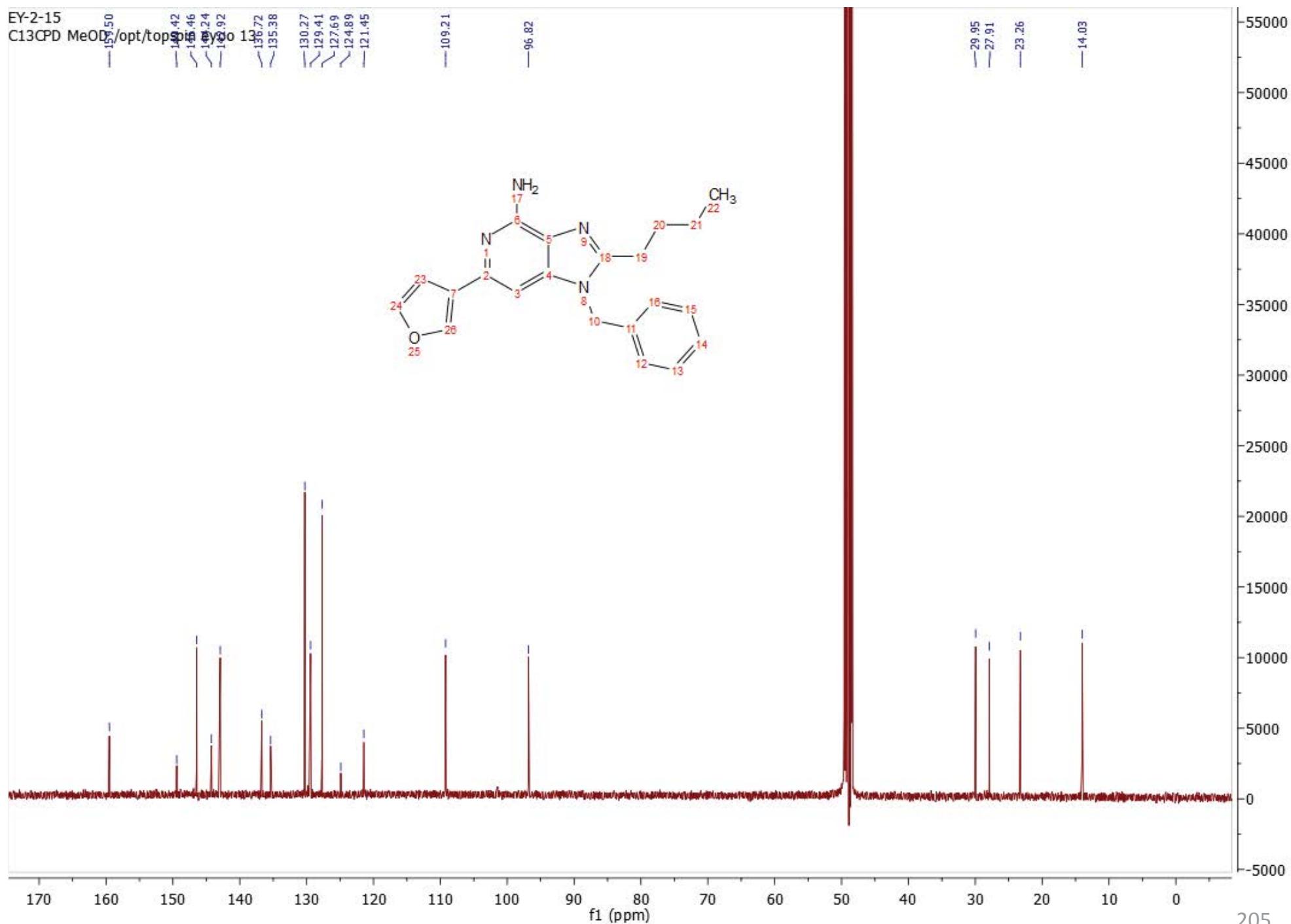
## 22e MS

Sample Name	04.28.12 EY-2-12 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.28.12 EY-2-12 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/28/2012 2:35:52 PM



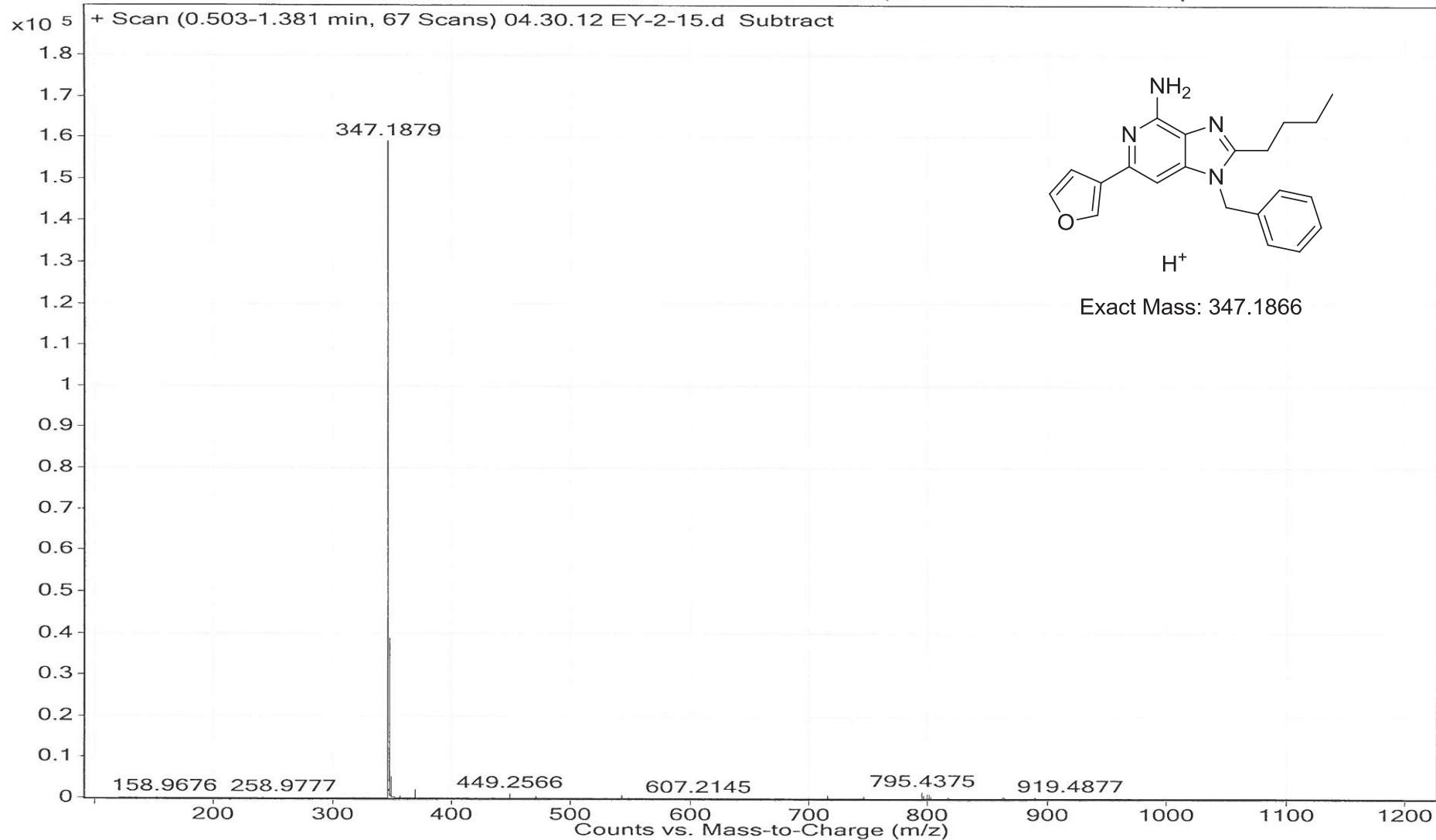


## 23e <sup>13</sup>C NMR

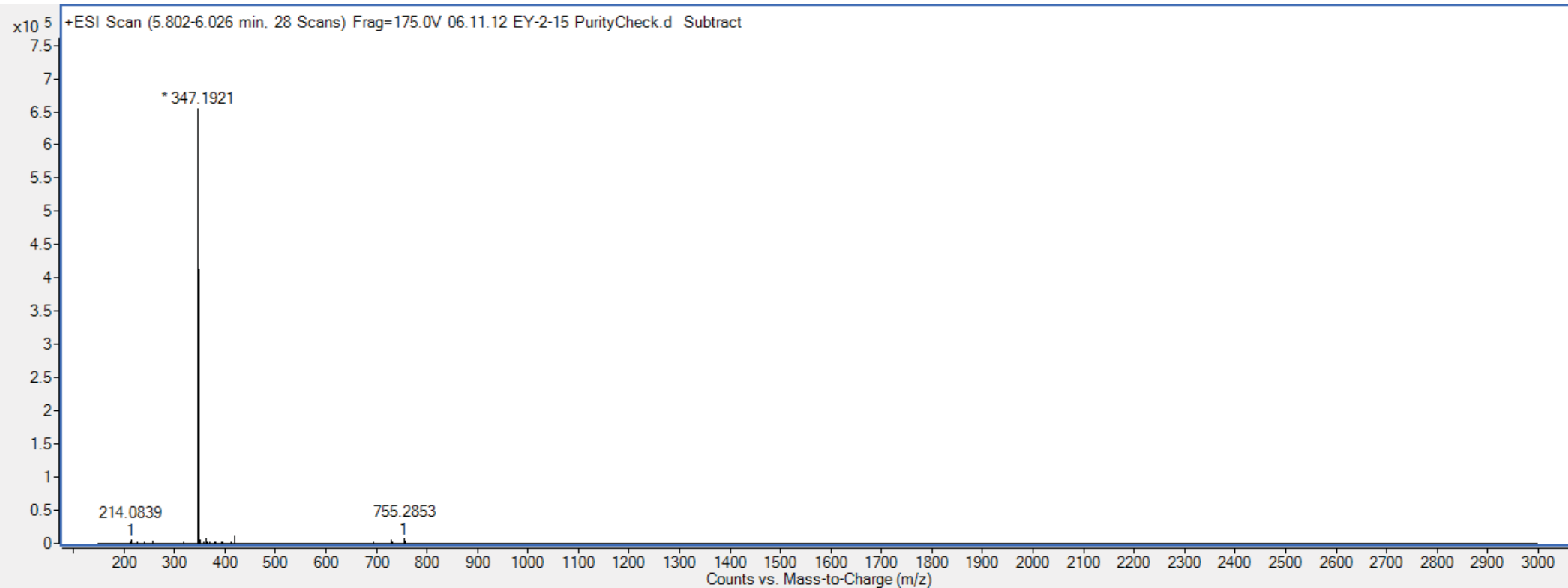
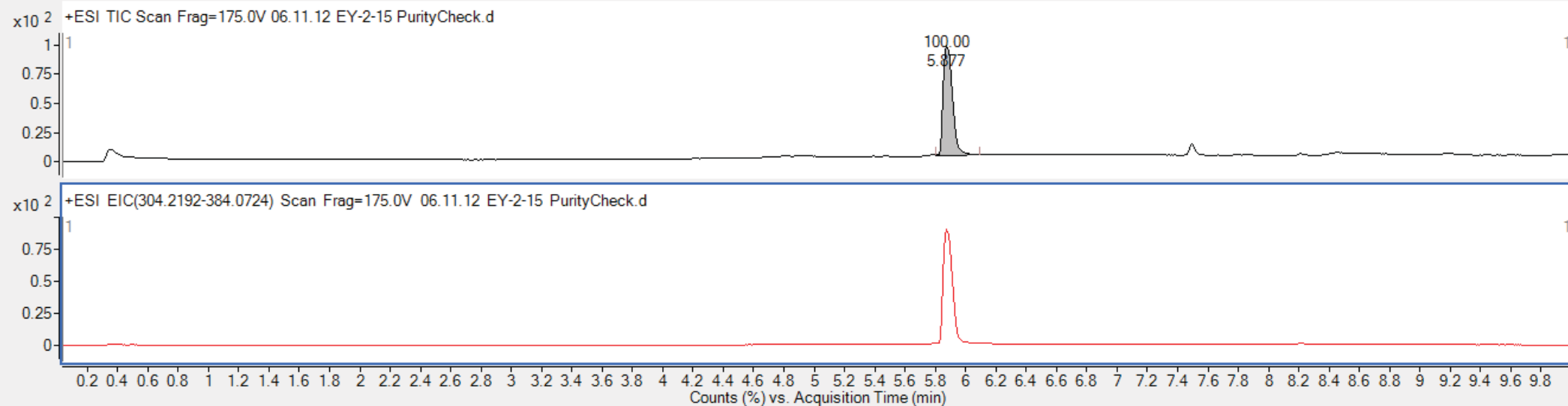


# 23e MS

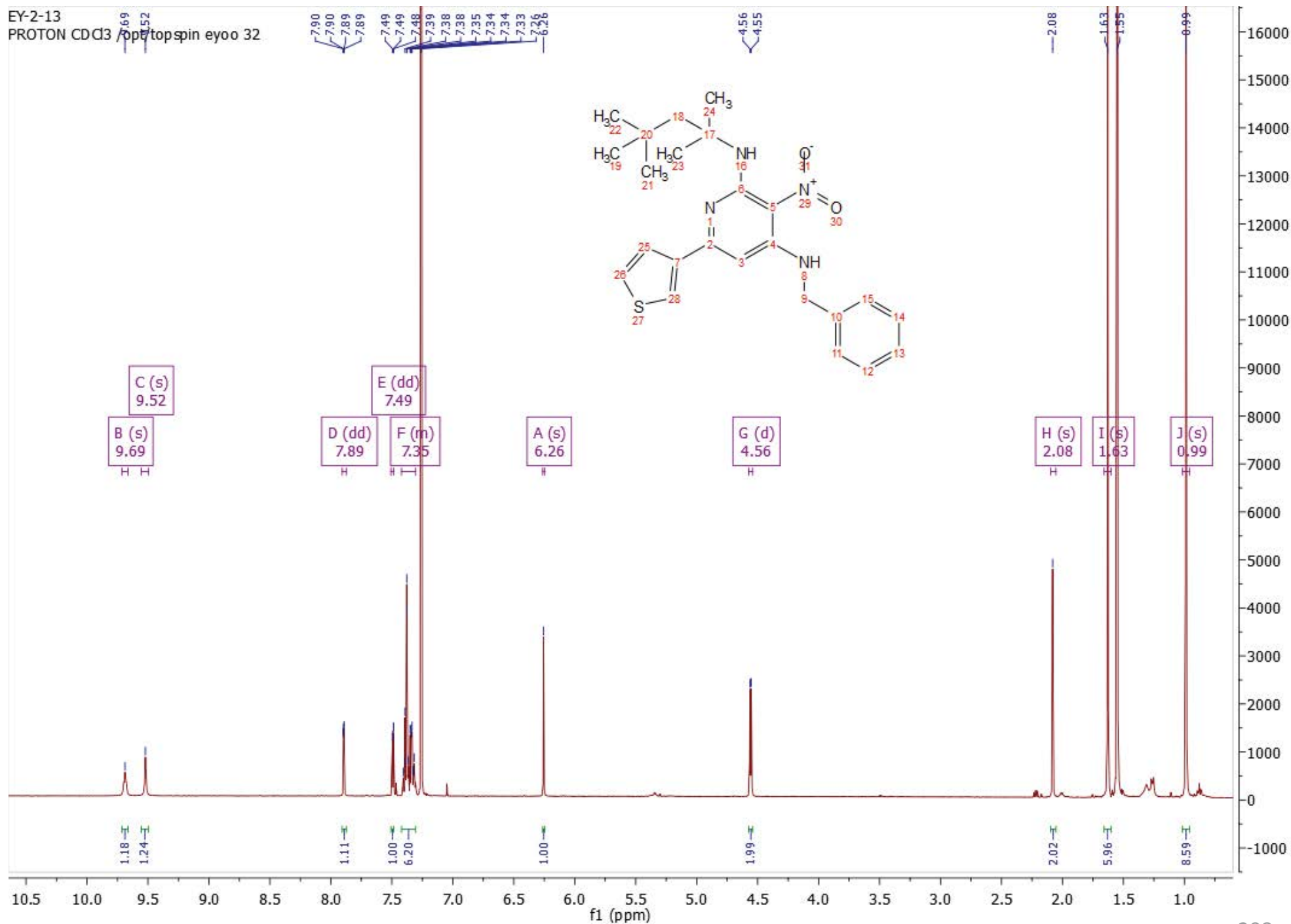
Sample Name	Unavailable	Position	Unavailable	Instrument Name	Unavailable	User Name	Unavailable
Inj Vol	Unavailable	InjPosition	Unavailable	SampleType	Unavailable	IRM Calibration Status	Success
Data Filename	04.30.12 EY-2-15.d	ACQ Method		Comment	Sample information is unavailable	Acquired Time	Unavailable



## 23e LC-MS

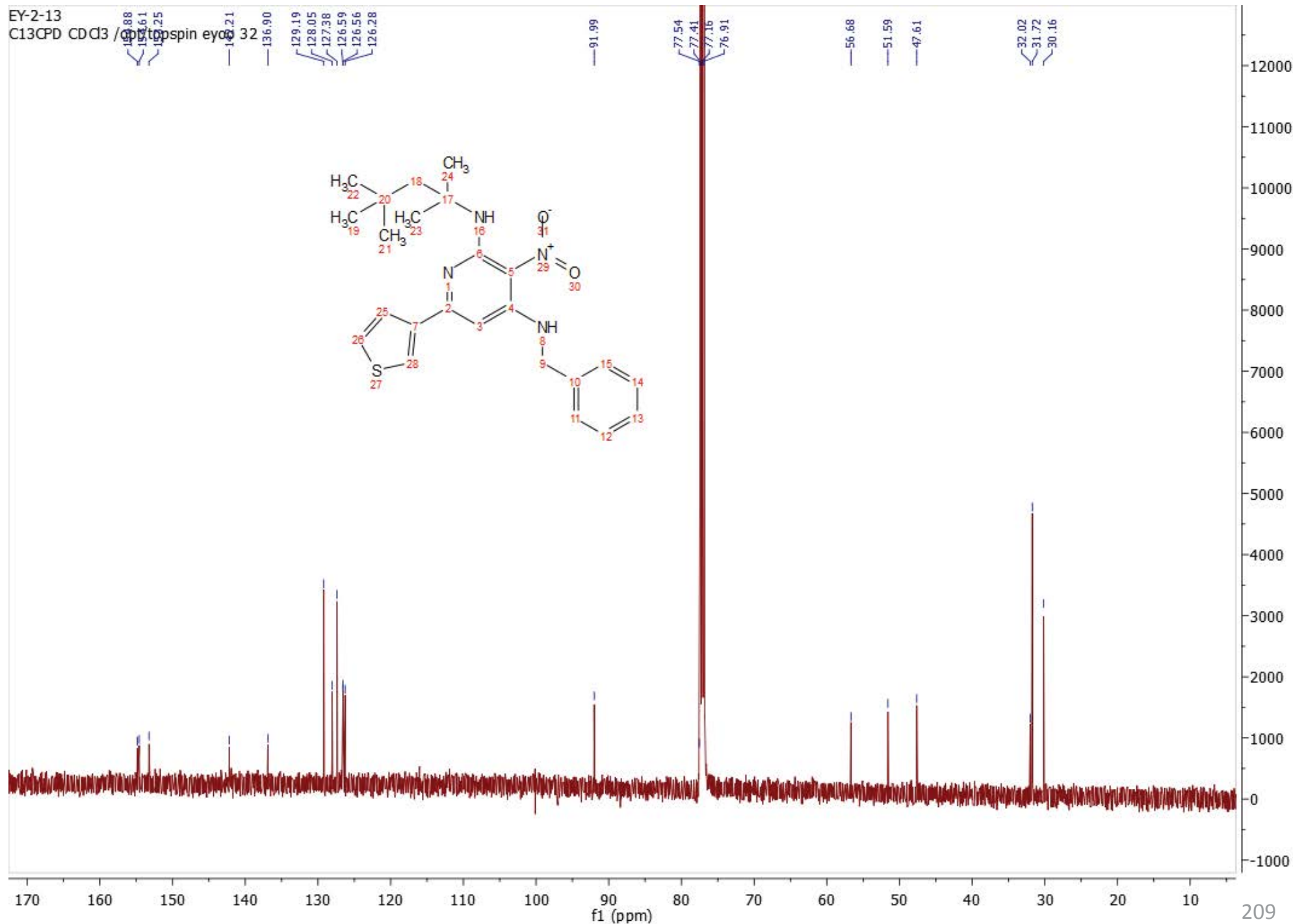


# **20f** <sup>1</sup>H NMR



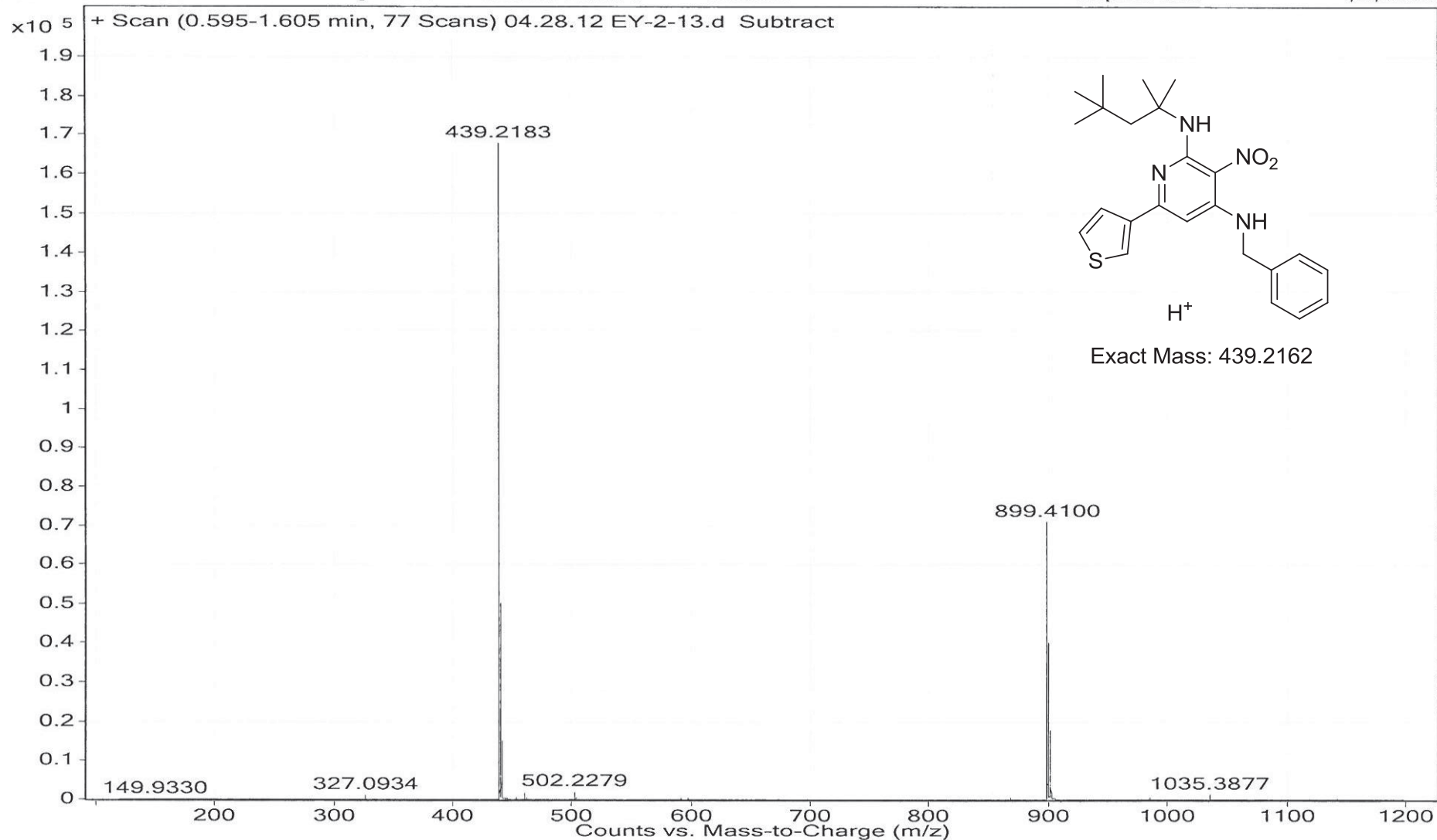


# 20f <sup>13</sup>C NMR



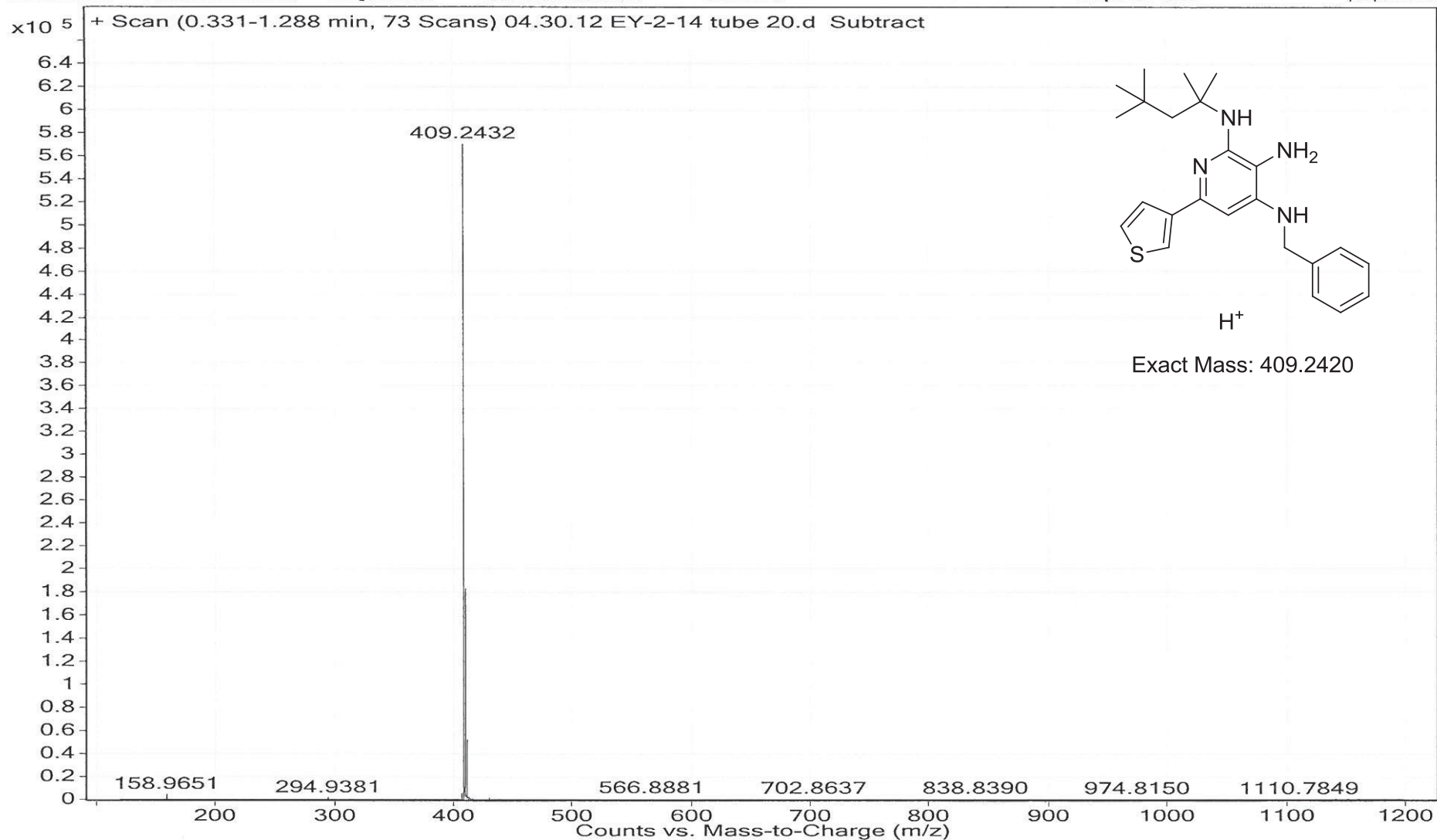
# 20f MS

Sample Name	04.28.12 EY-2-13	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.28.12 EY-2-13.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/28/2012 12:52:05 PM

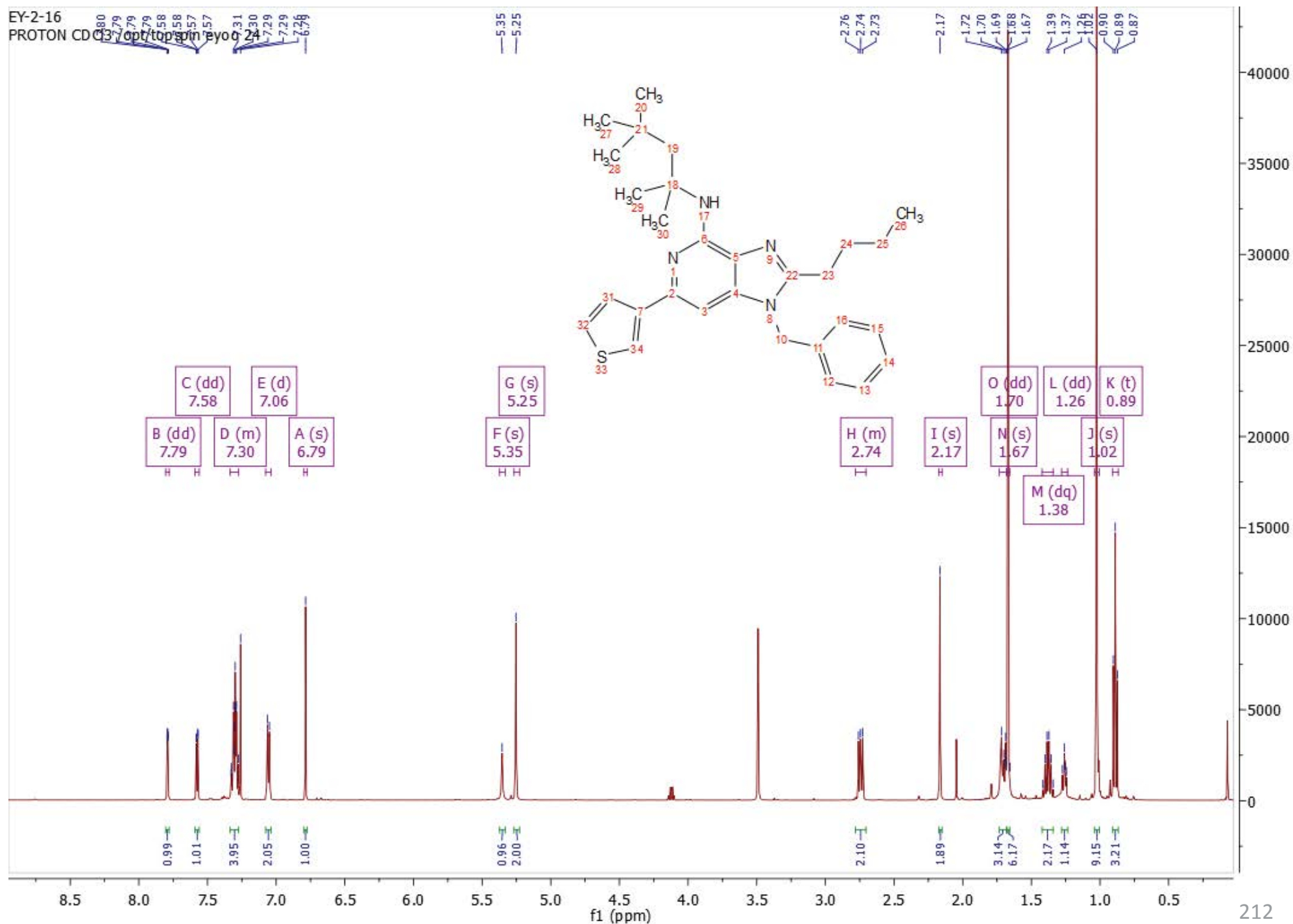


# 21f MS

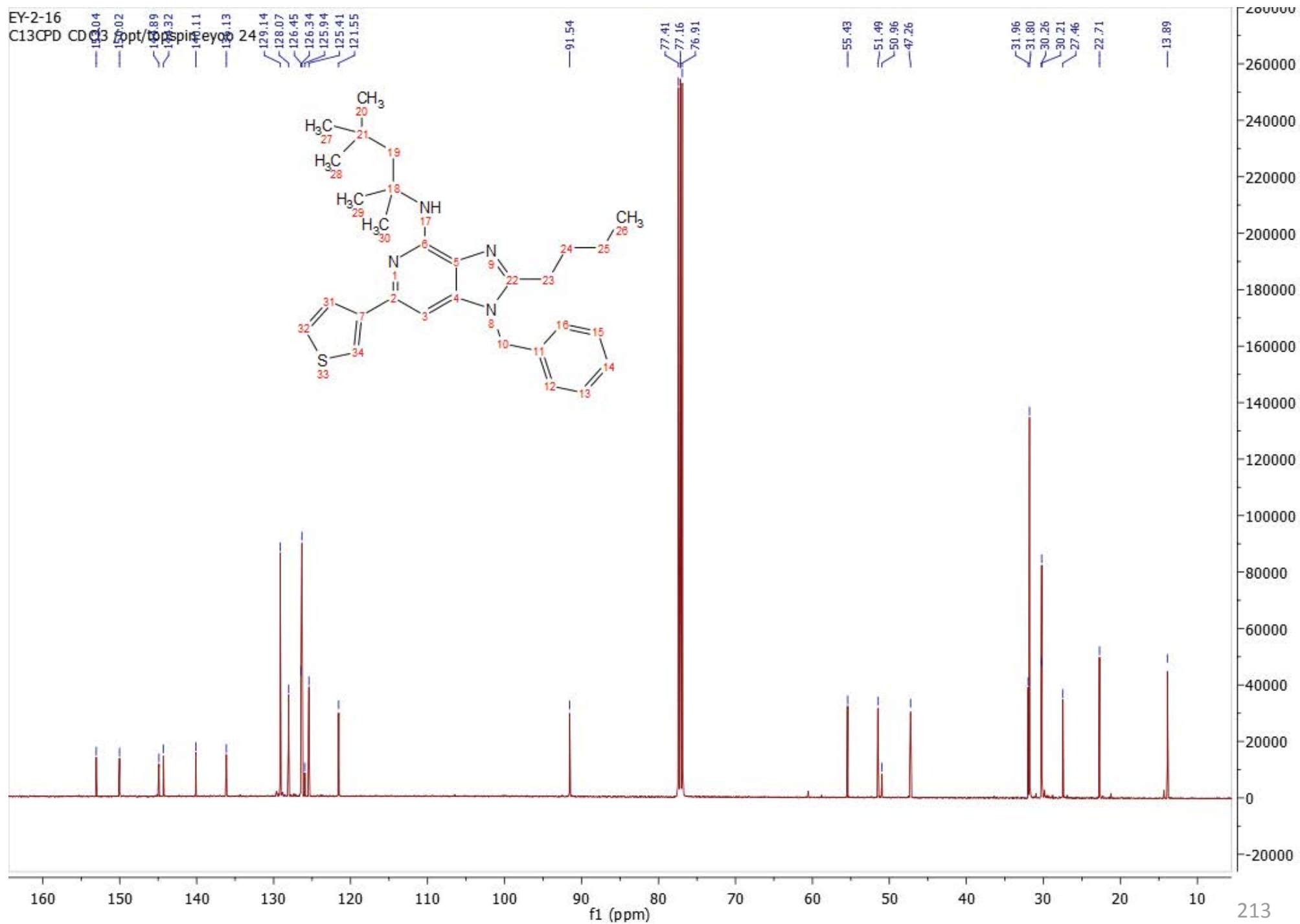
Sample Name	04.30.12 EY-2-14 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	04.30.12 EY-2-14 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	4/30/2012 10:17:17 AM



# **22f** <sup>1</sup>H NMR

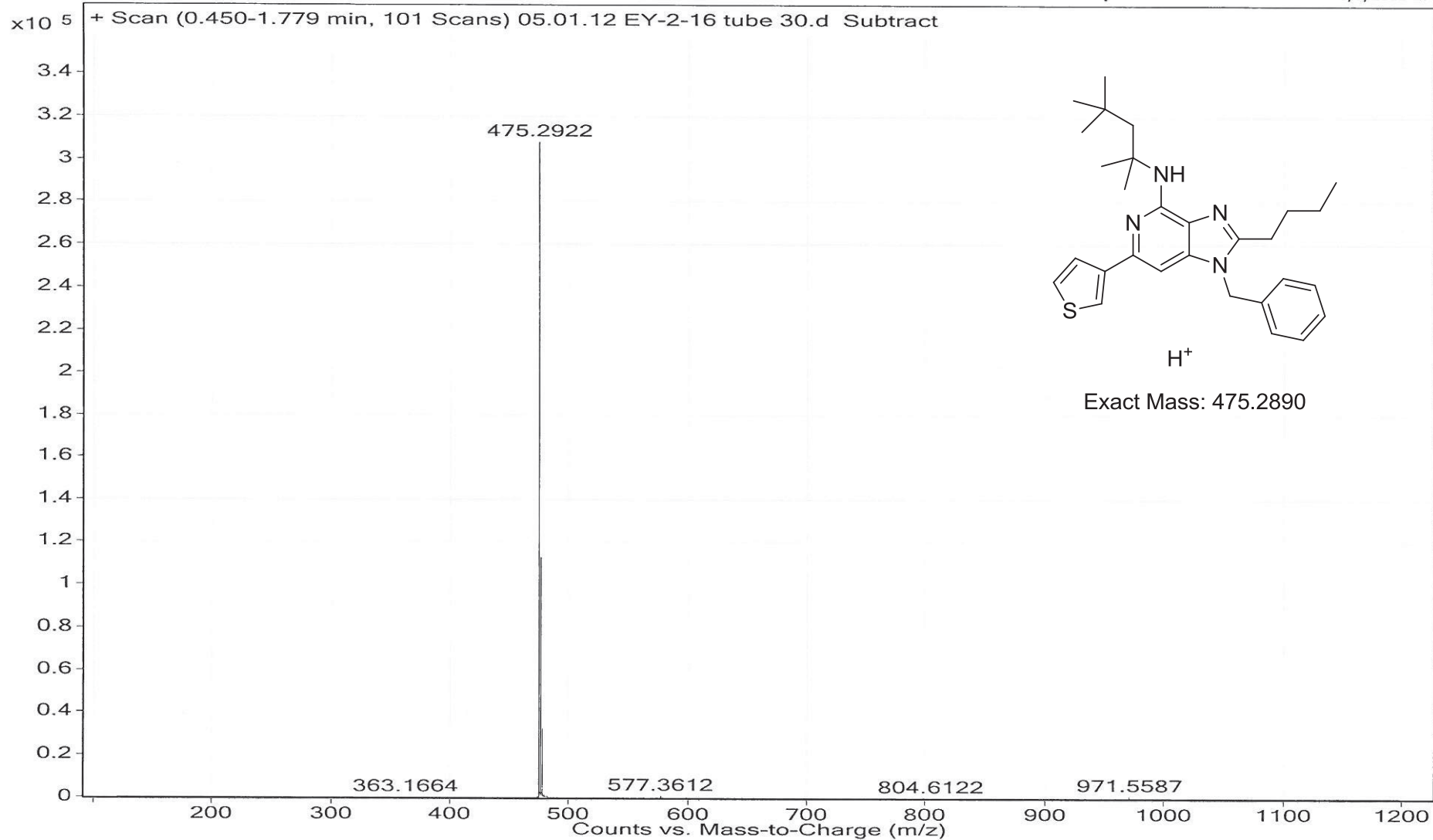


# **22f** <sup>13</sup>C NMR



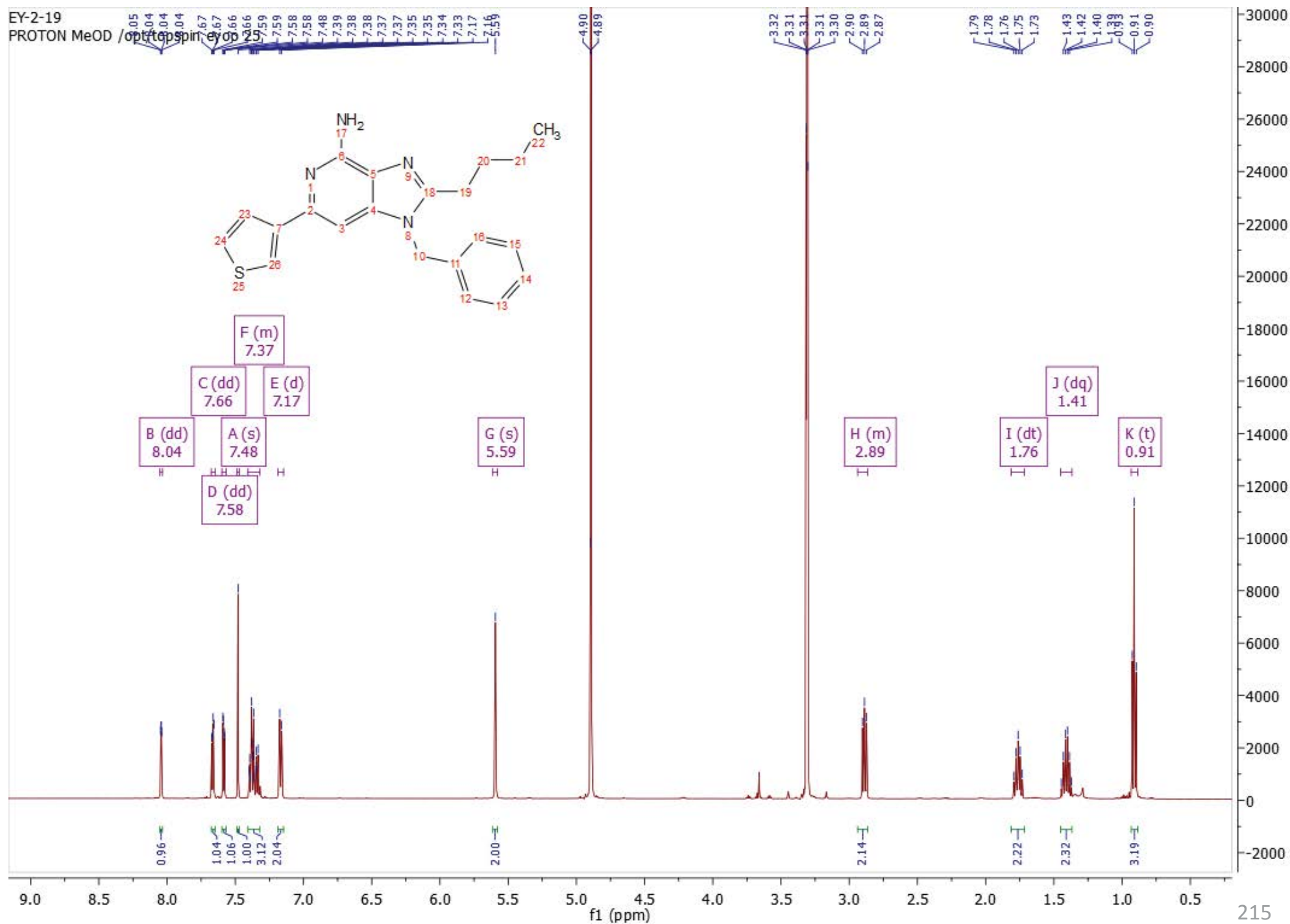
## 22f MS

Sample Name	05.01.12 EY-2-16 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.01.12 EY-2-16 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/1/2012 2:48:02 PM



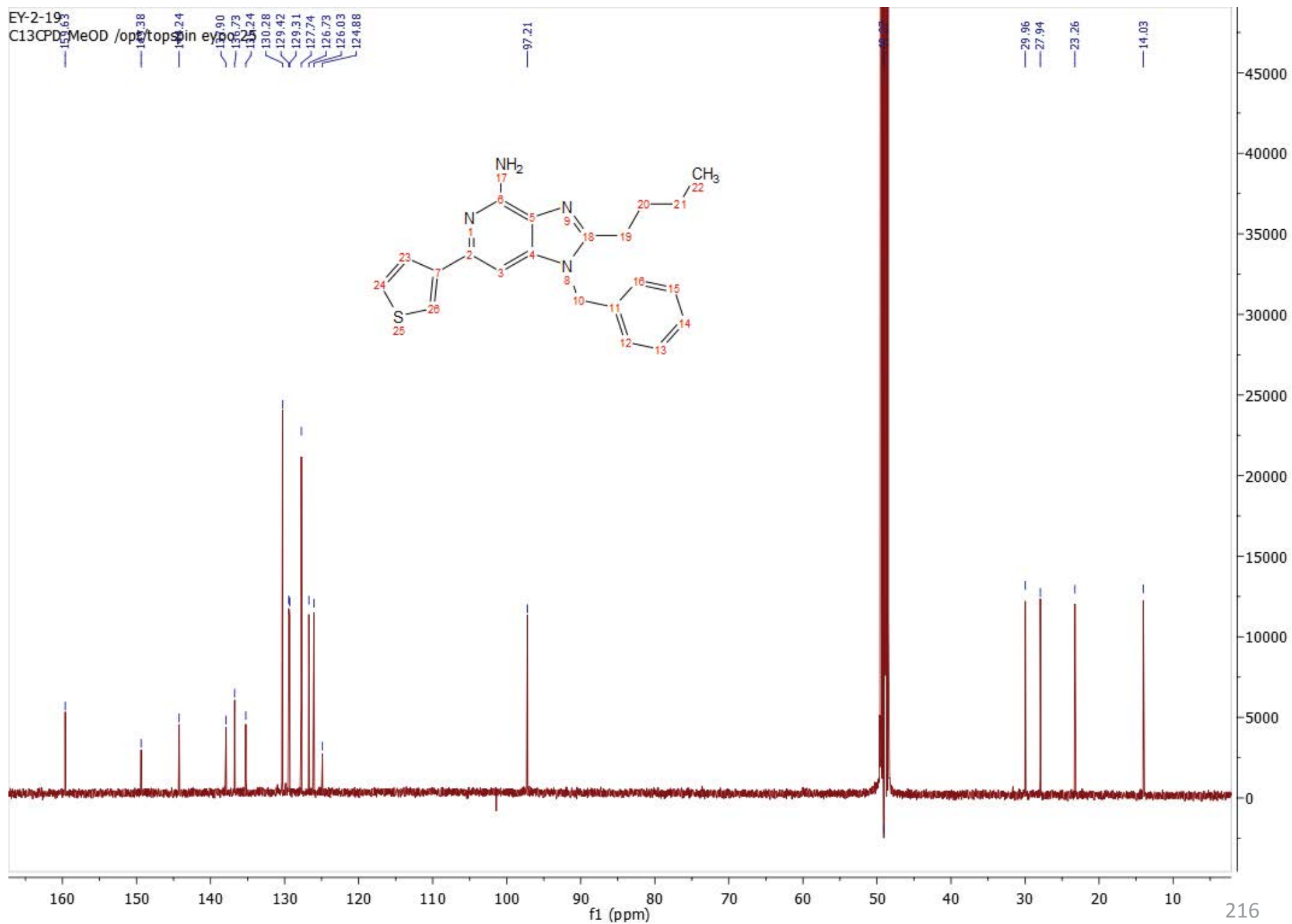


# 23f <sup>1</sup>H NMR



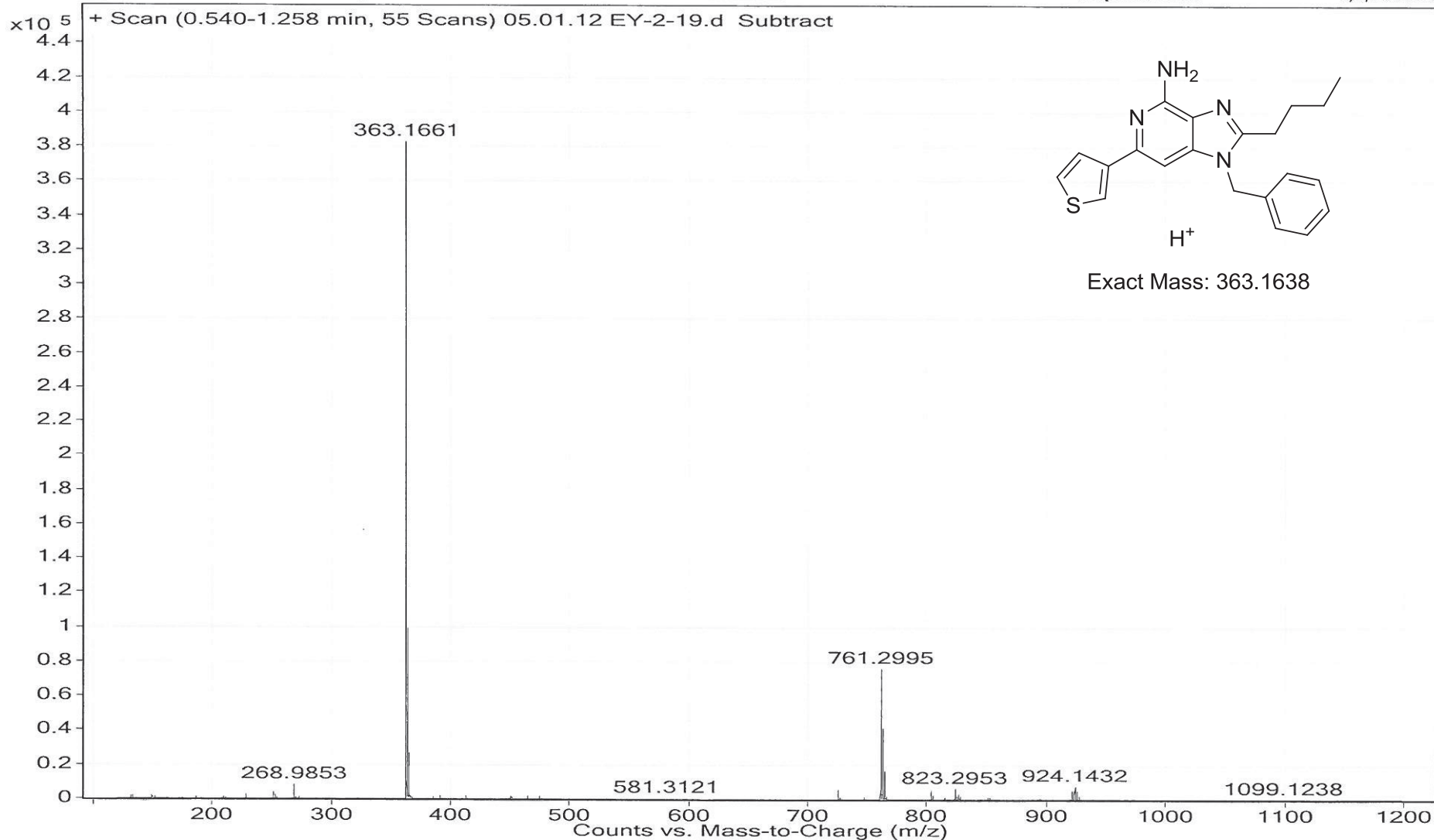


# **23f** <sup>13</sup>C NMR

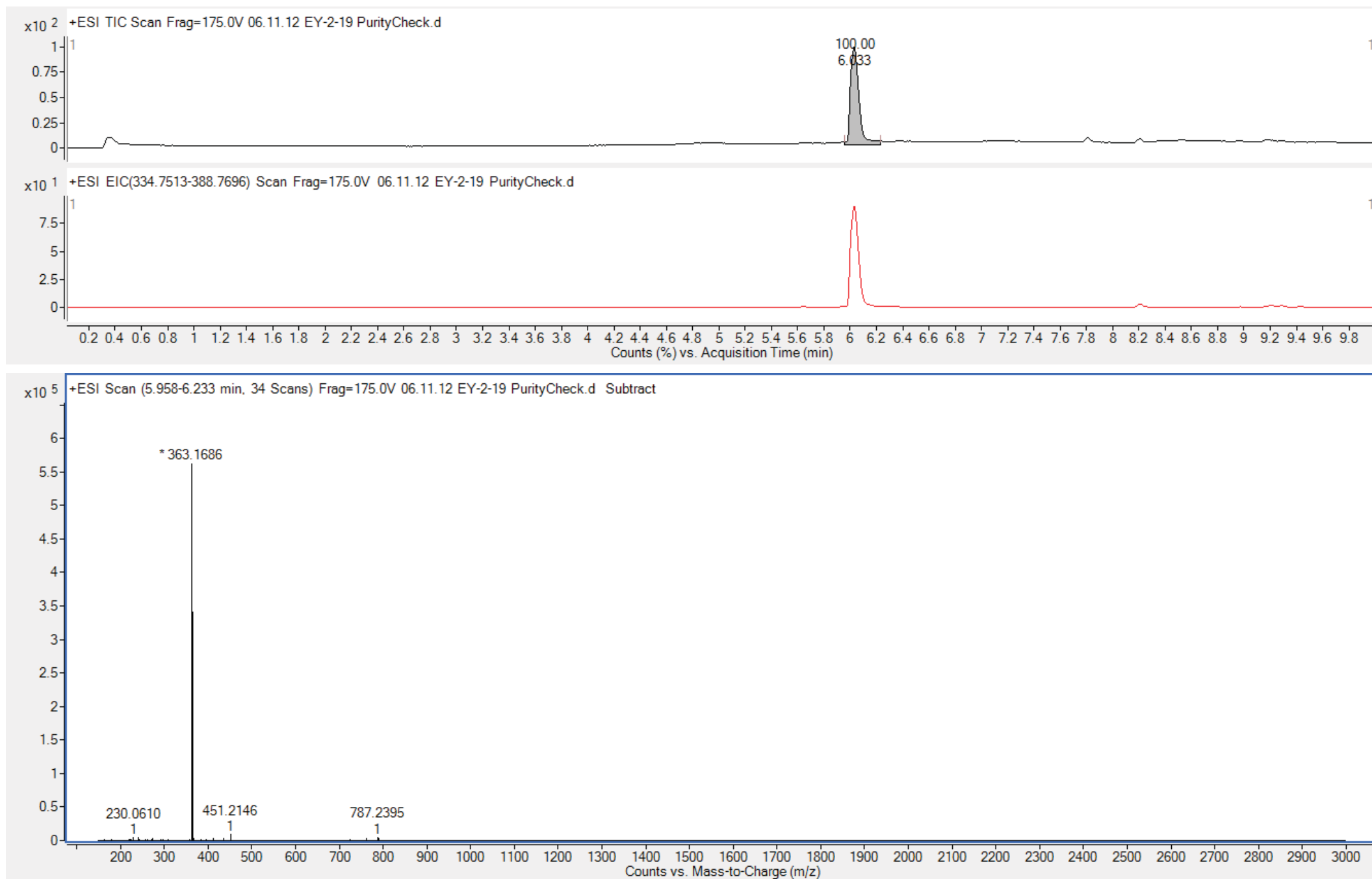


# 23f MS

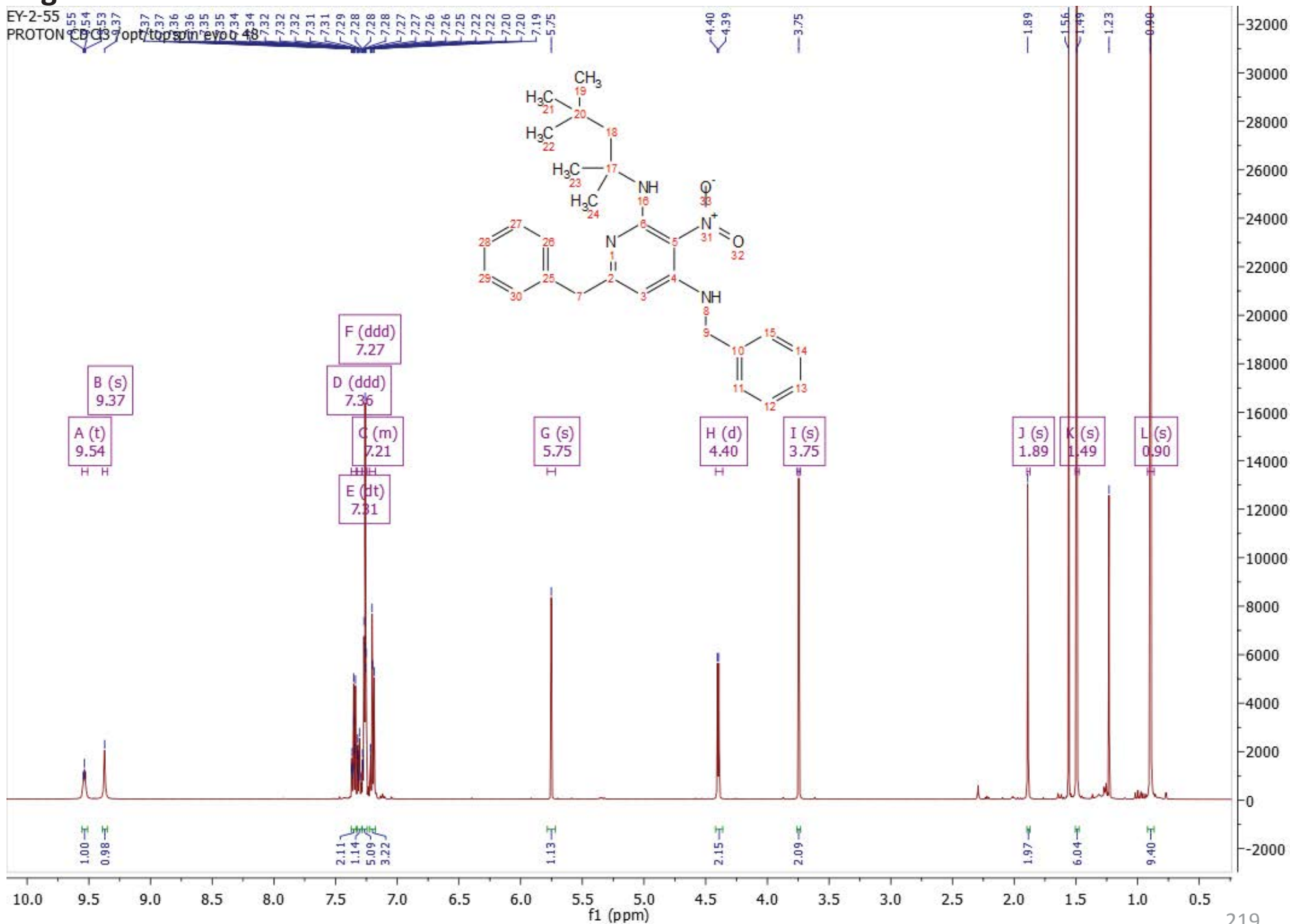
Sample Name	05.01.12 EY-2-19	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.01.12 EY-2-19.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/1/2012 5:14:50 PM



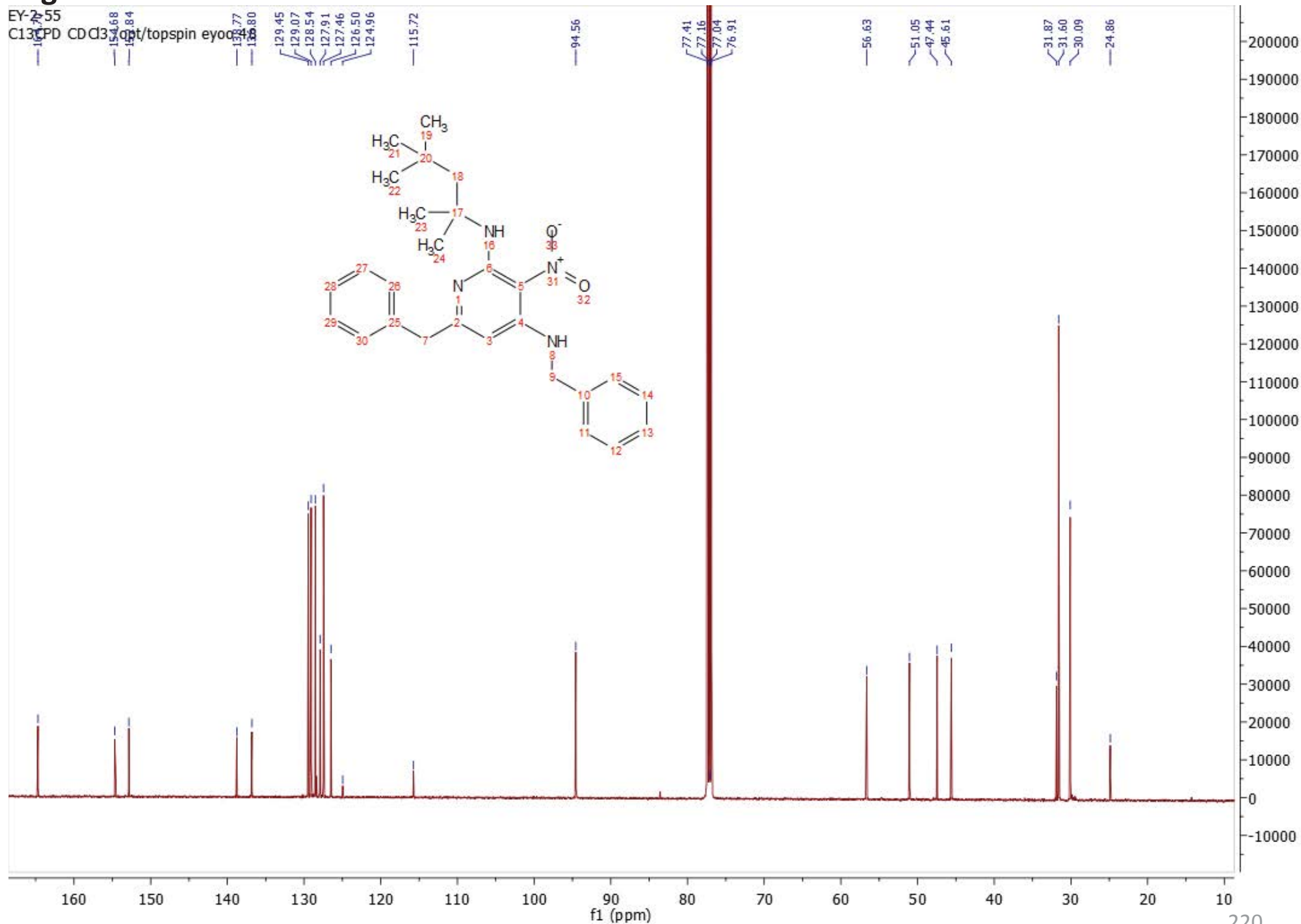
## 23f LC-MS



# 20g <sup>1</sup>H NMR

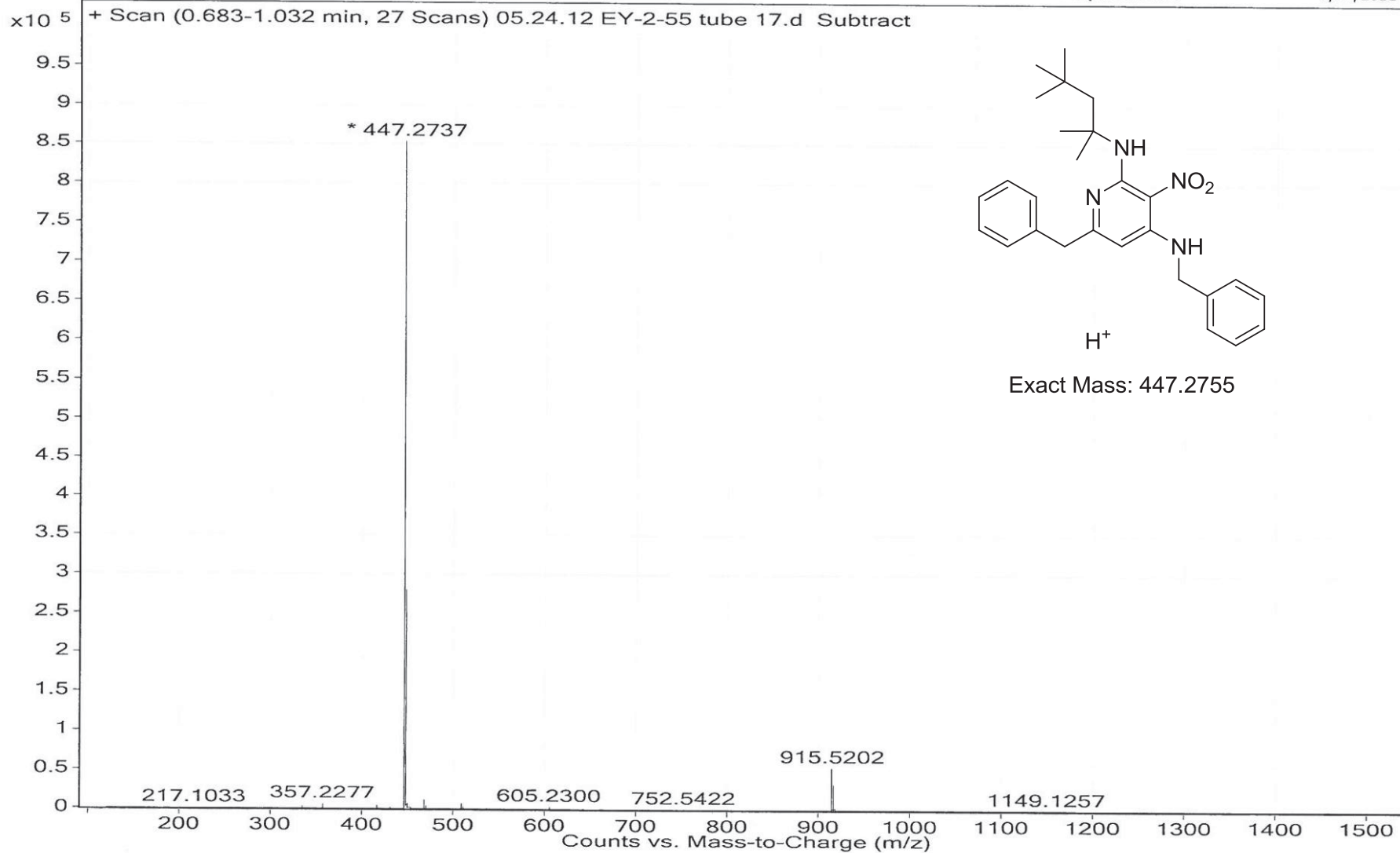


# 20g <sup>13</sup>C NMR



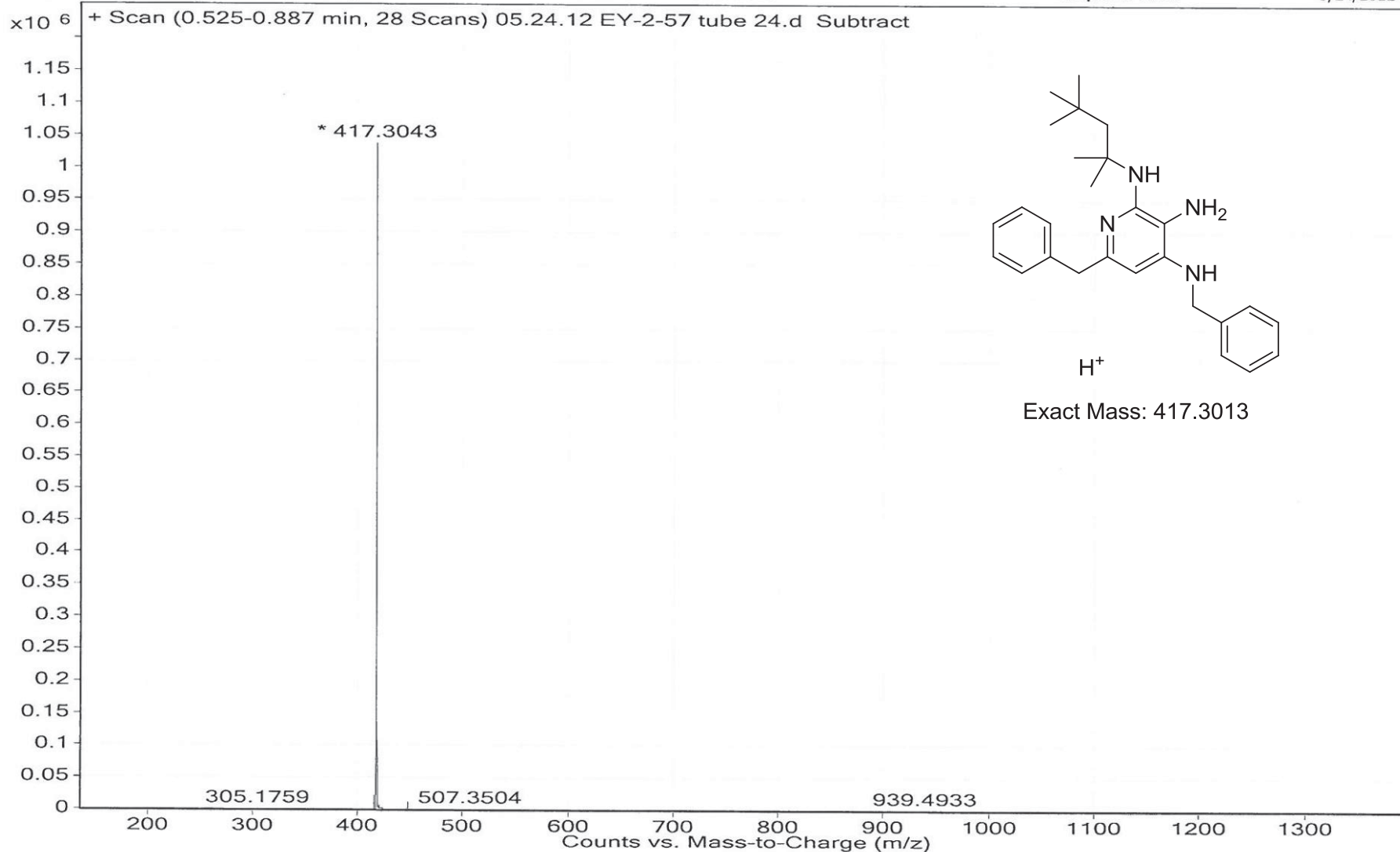
# 20g MS

Sample Name	05.24.12 EY-2-55 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.24.12 EY-2-55 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/24/2012 10:42:08 AM



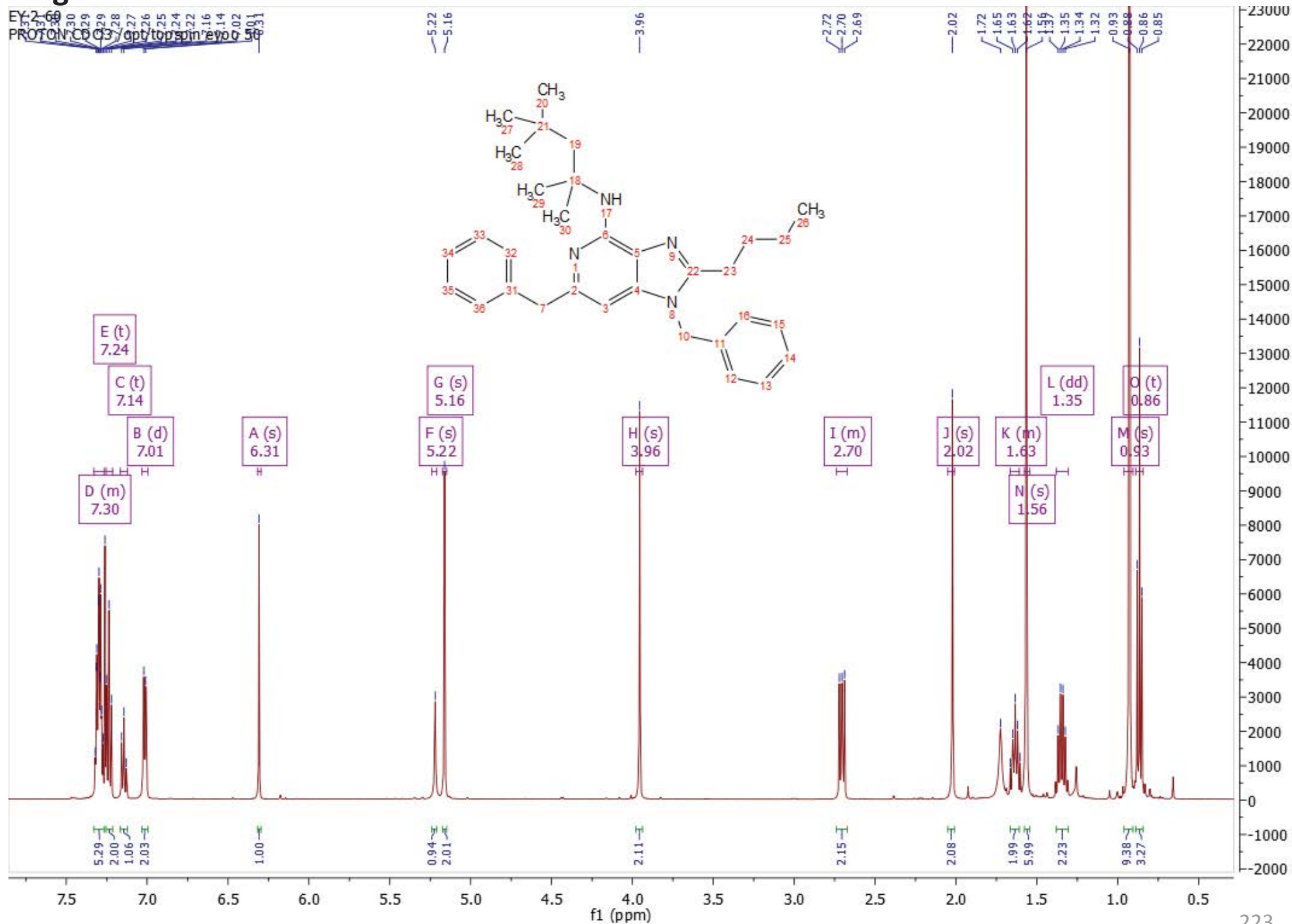
# 21g MS

Sample Name	05.24.12 EY-2-57 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.24.12 EY-2-57 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/24/2012 12:47:58 PM

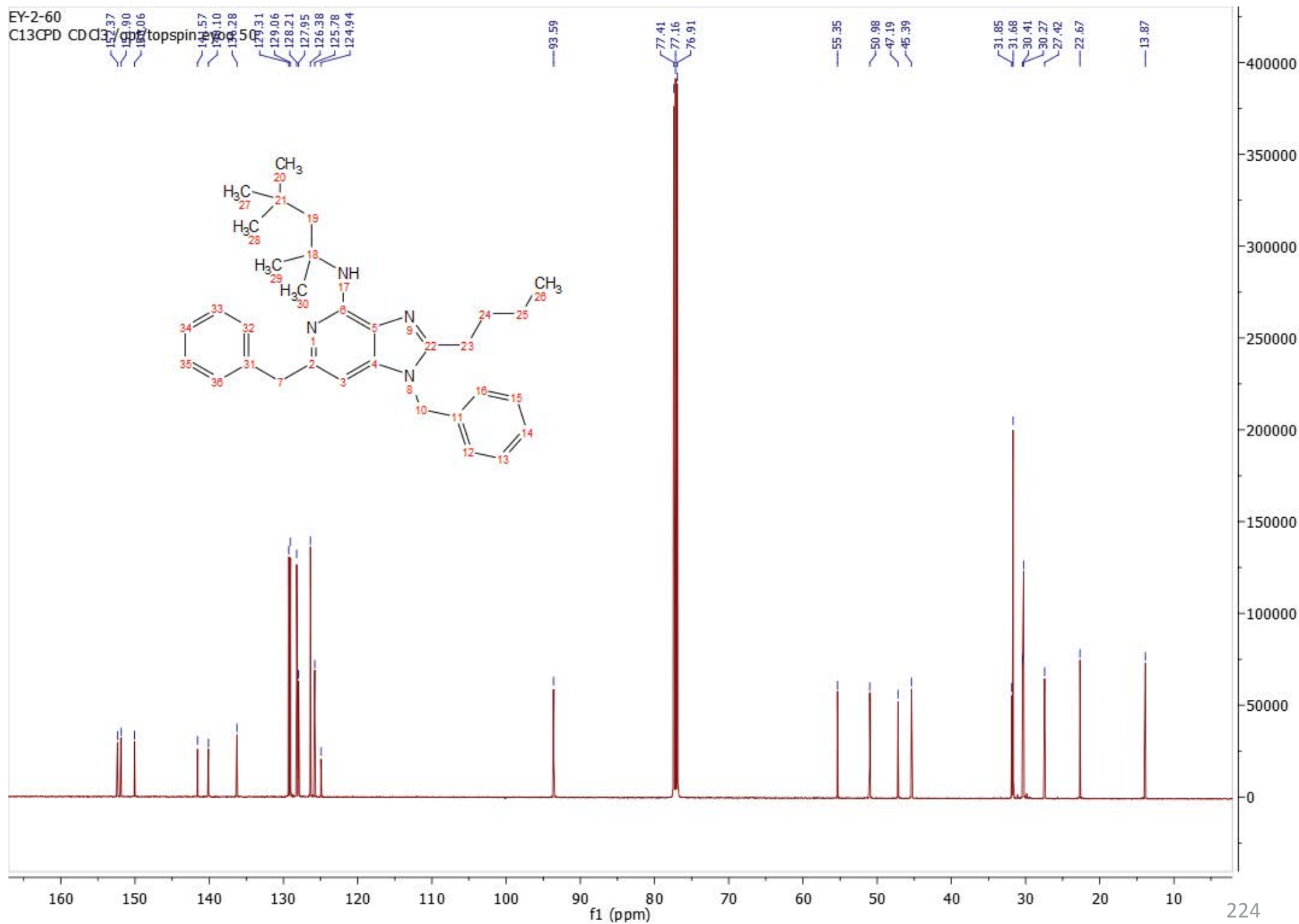




# 22g <sup>1</sup>H NMR

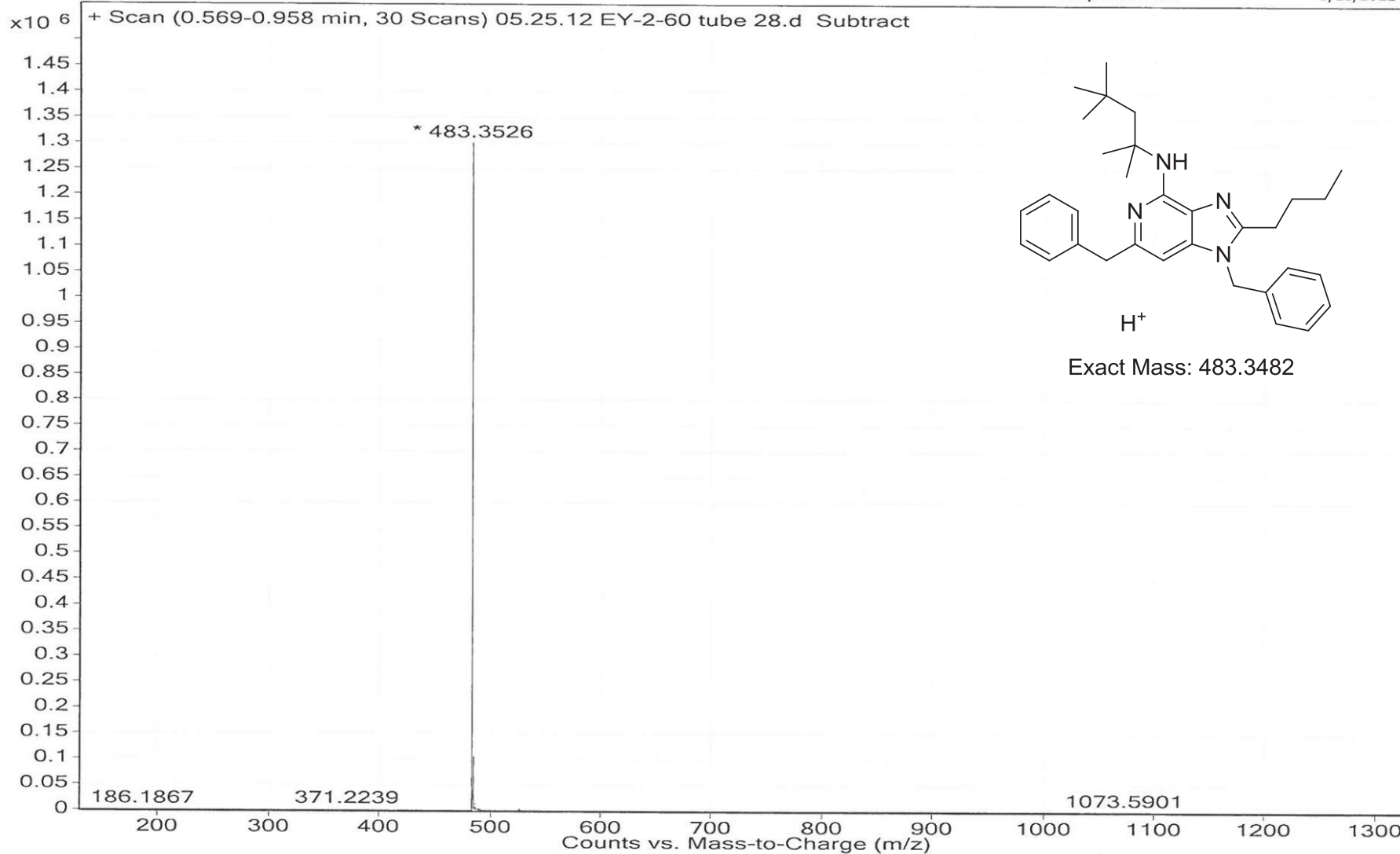


# 22g <sup>13</sup>C NMR

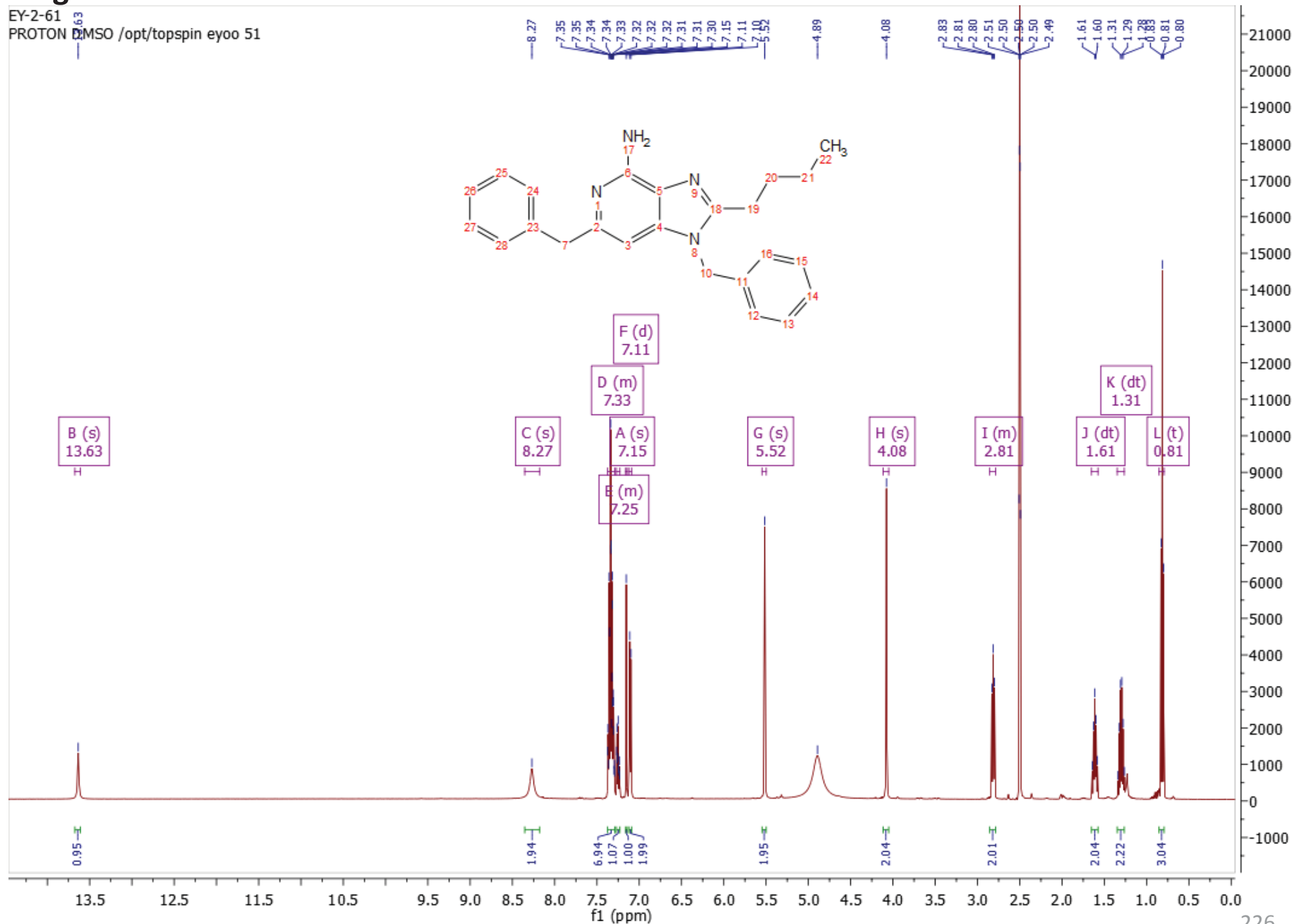


# 22g MS

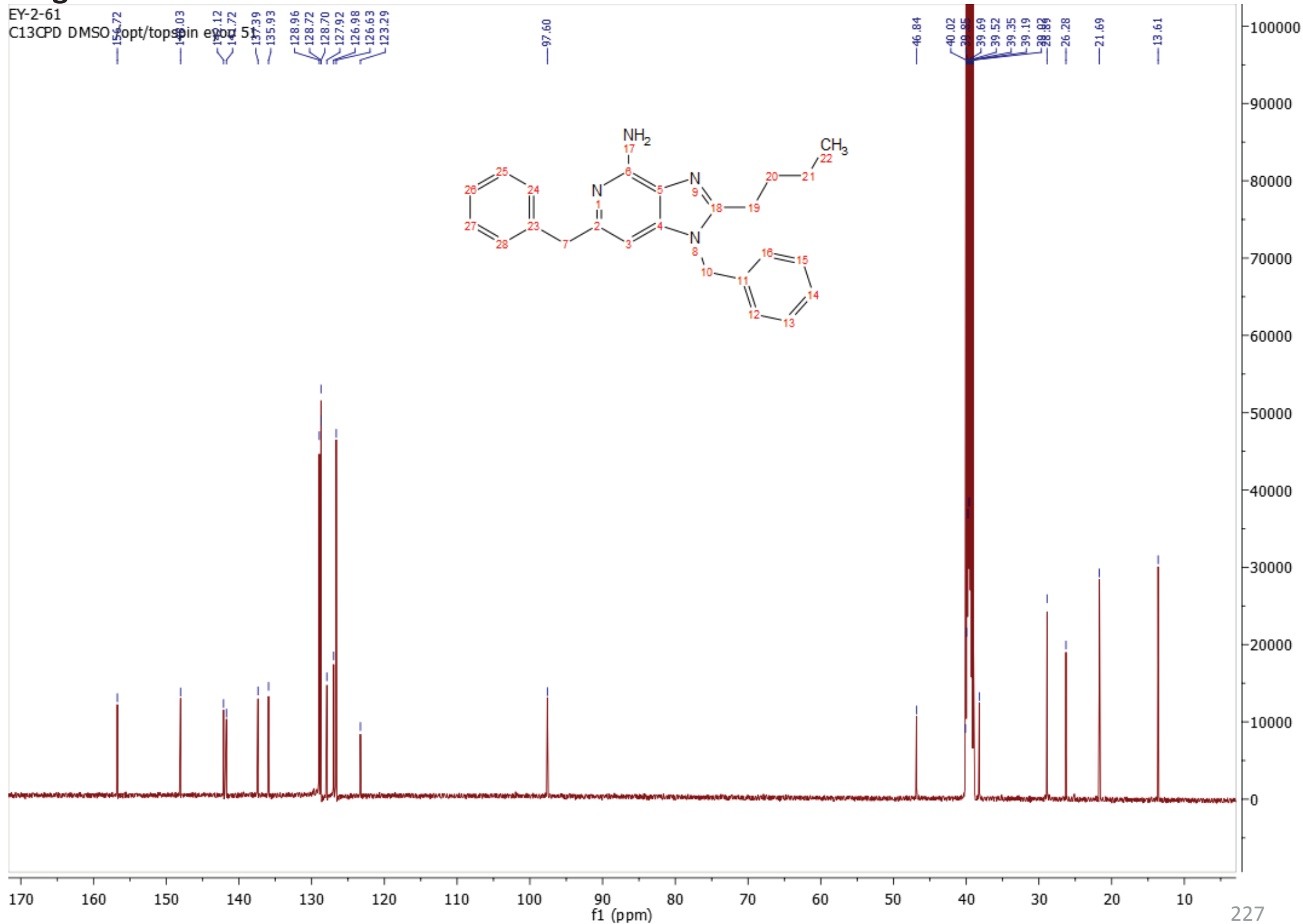
Sample Name	05.25.12 EY-2-60 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.25.12 EY-2-60 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/25/2012 12:48:32 PM



# 23g <sup>1</sup>H NMR

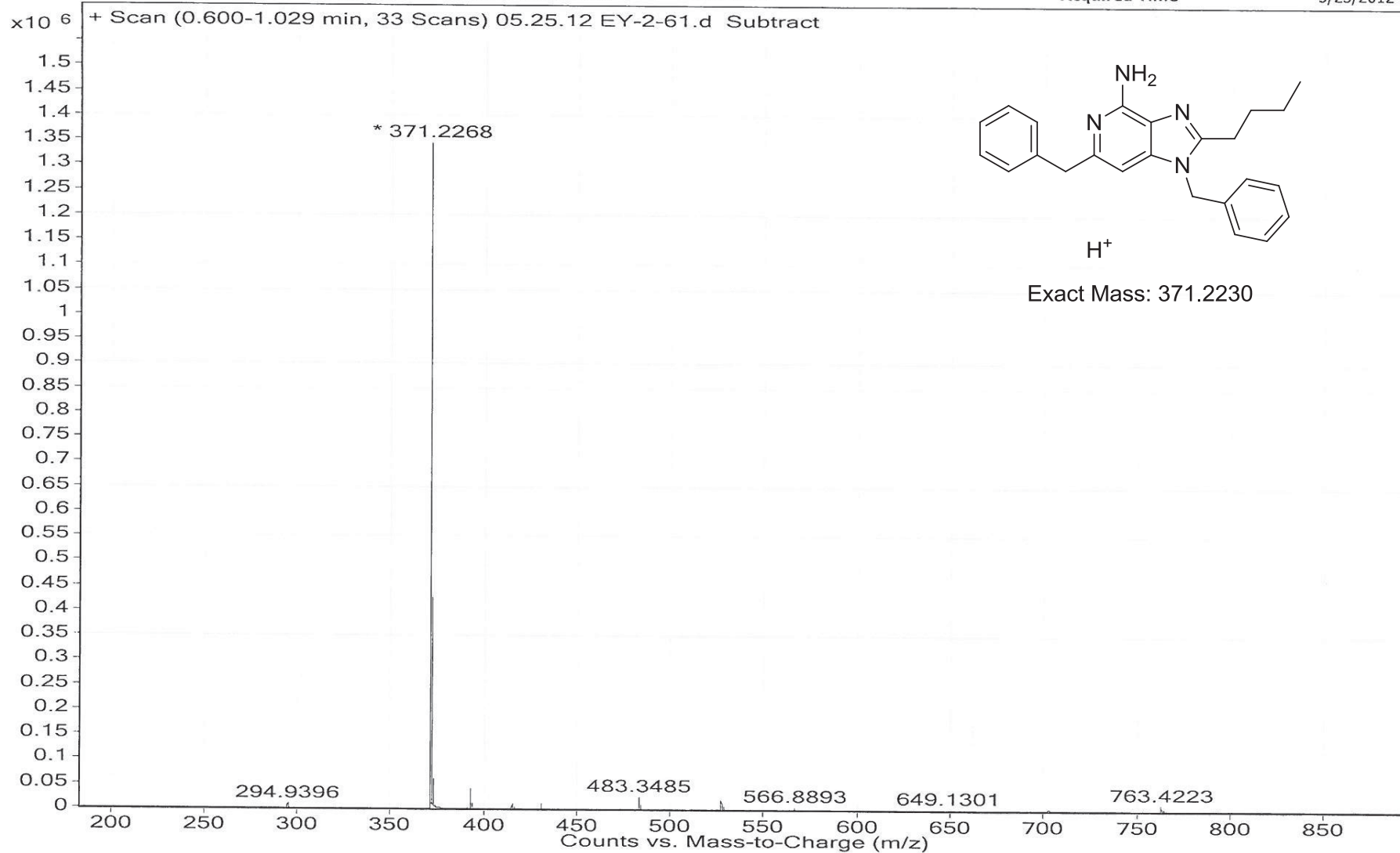


# 23g <sup>13</sup>C NMR

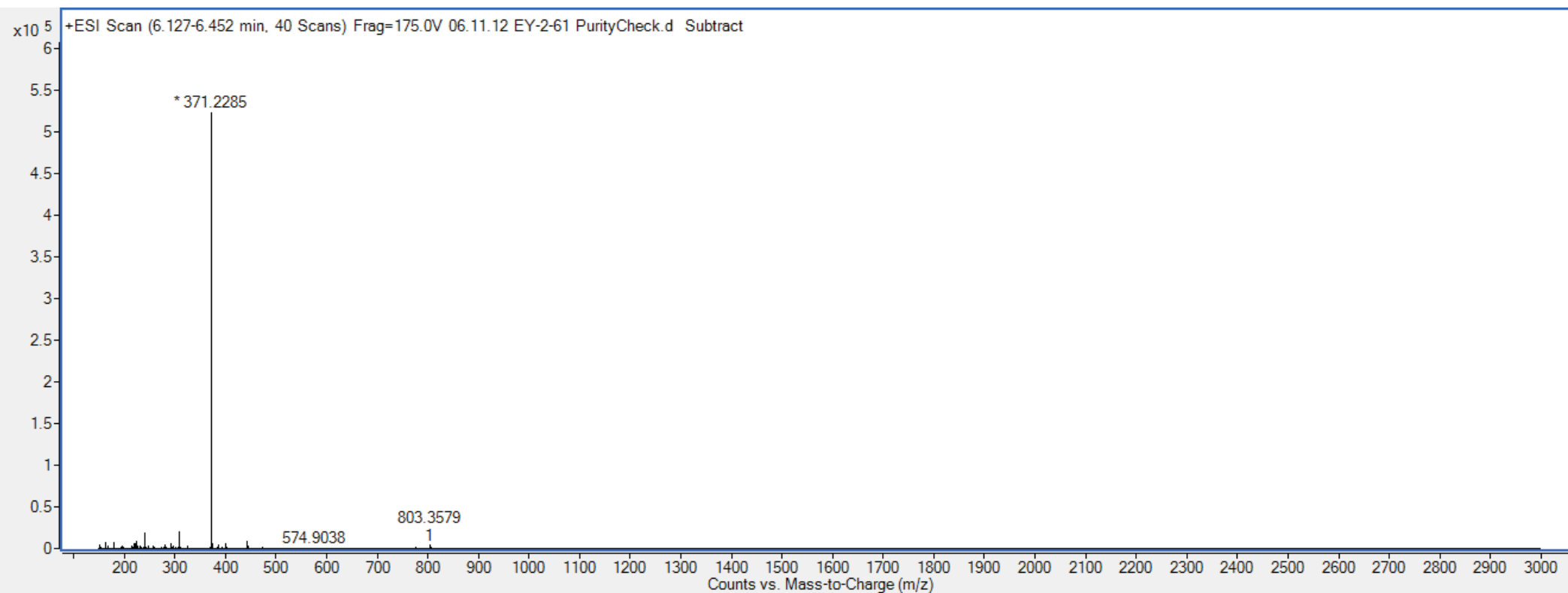
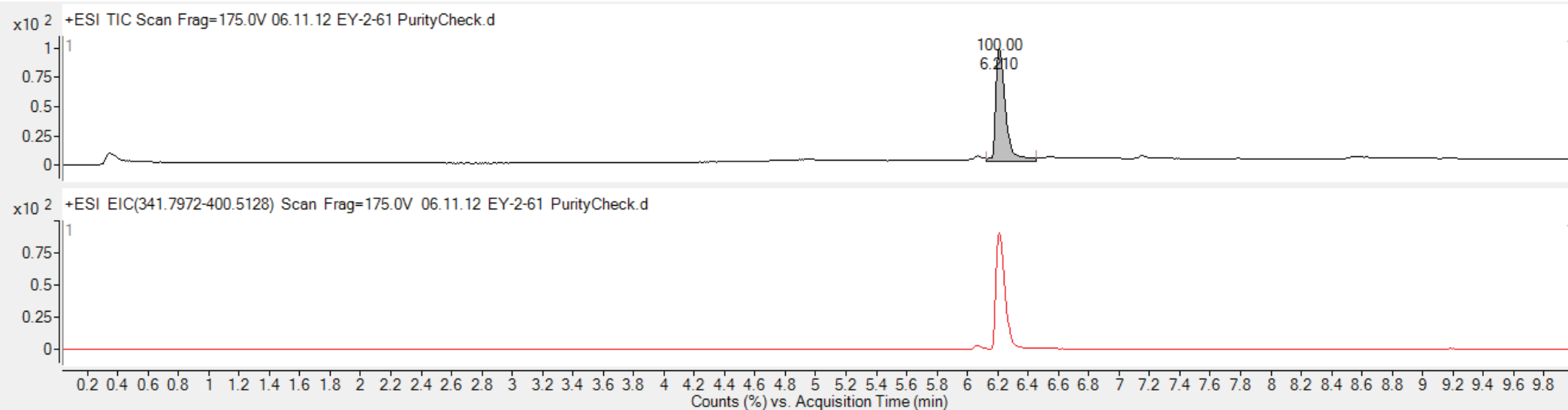


# 23g MS

Sample Name	05.25.12 EY-2-61	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	05.25.12 EY-2-61.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	5/25/2012 1:59:22 PM

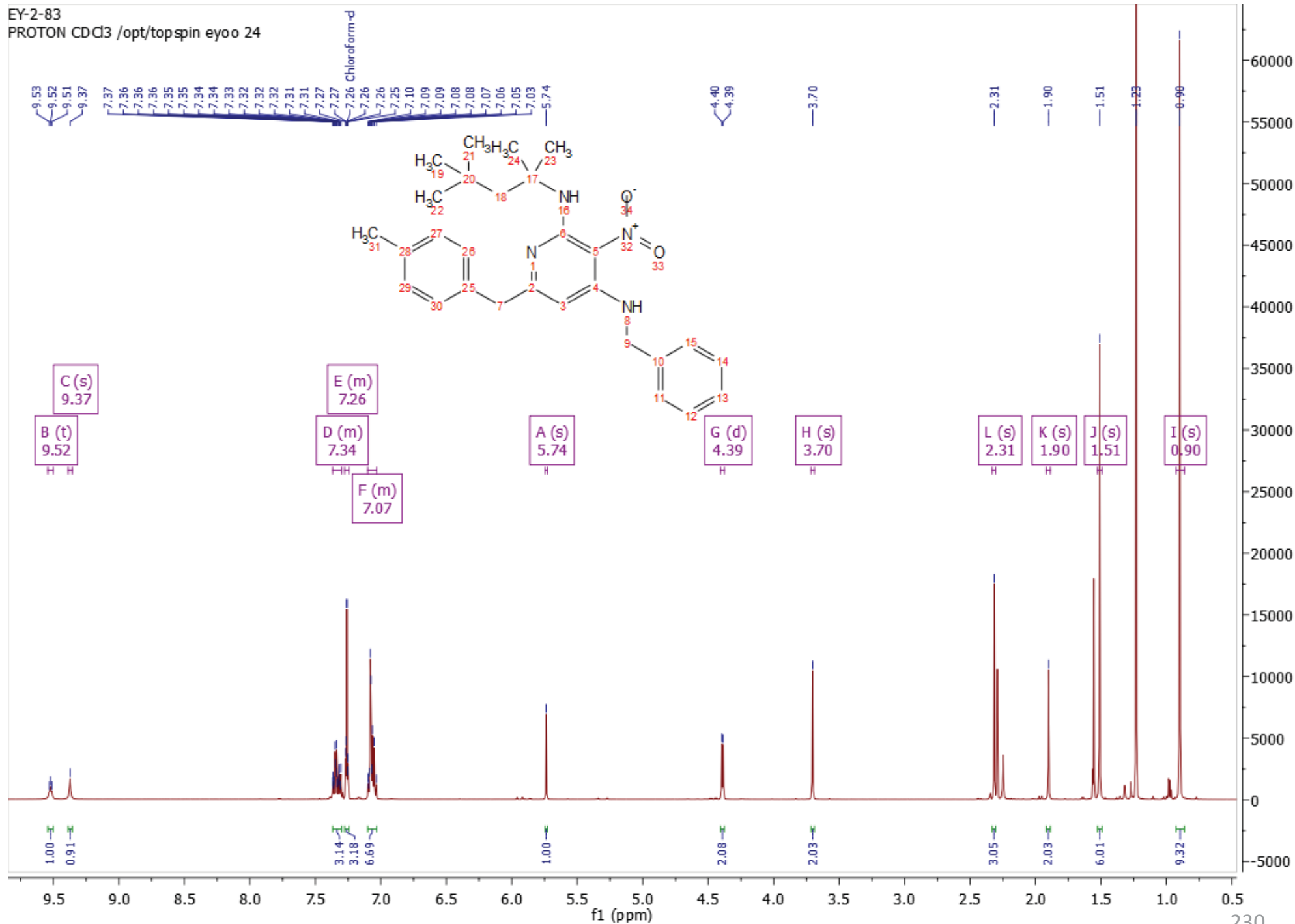


## 23g LC-MS

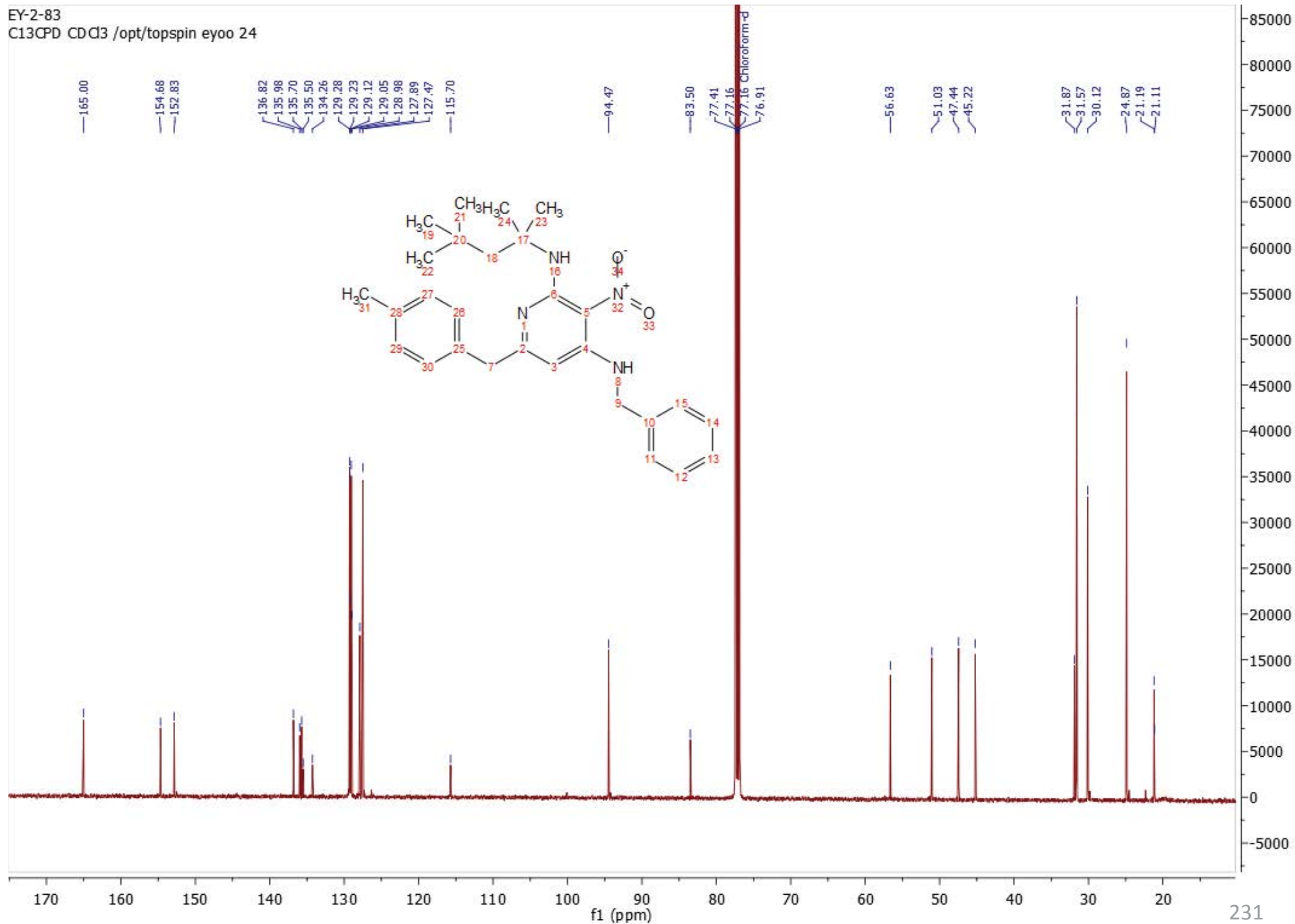




# 20h <sup>1</sup>H NMR

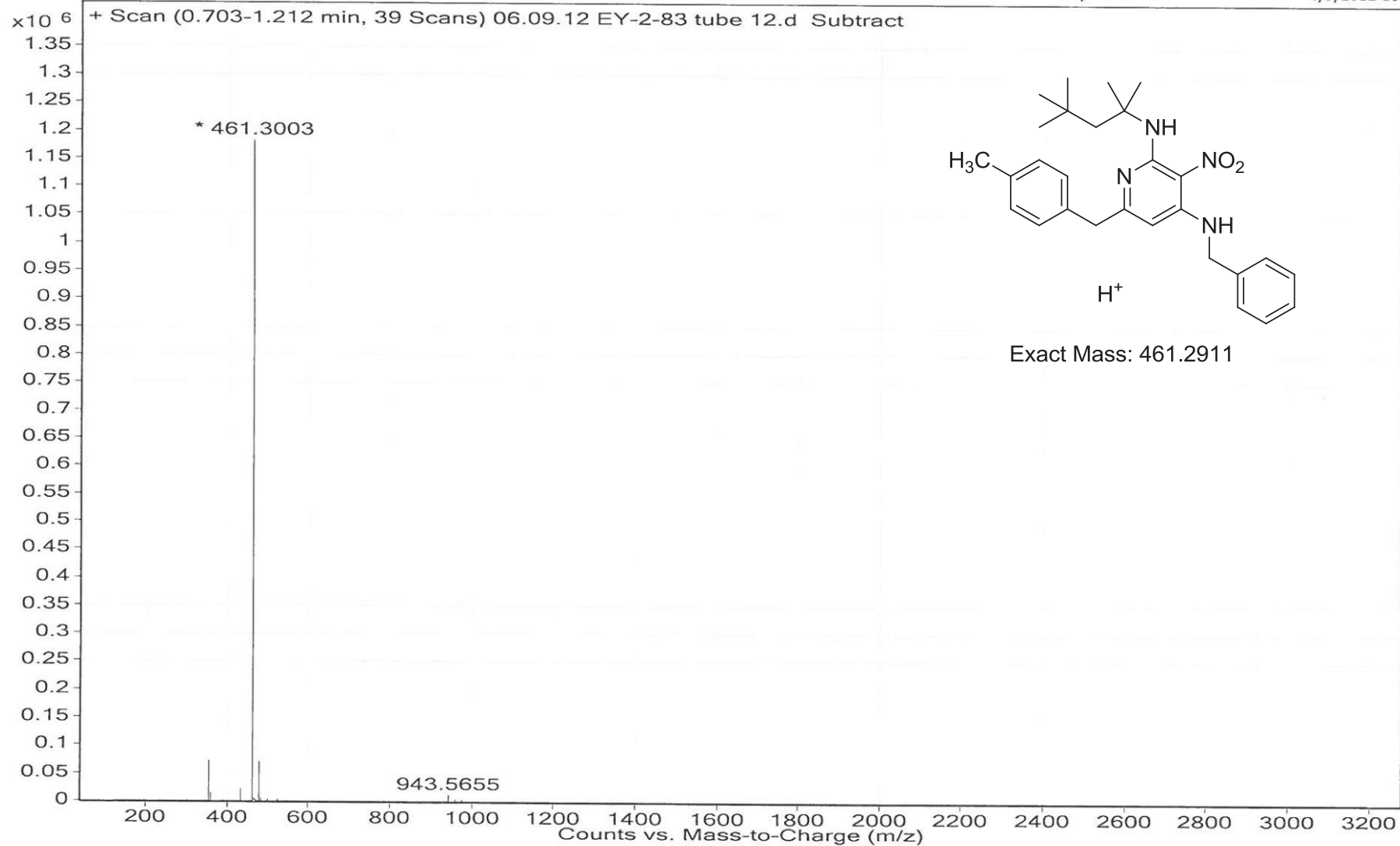


# 20h <sup>13</sup>C NMR



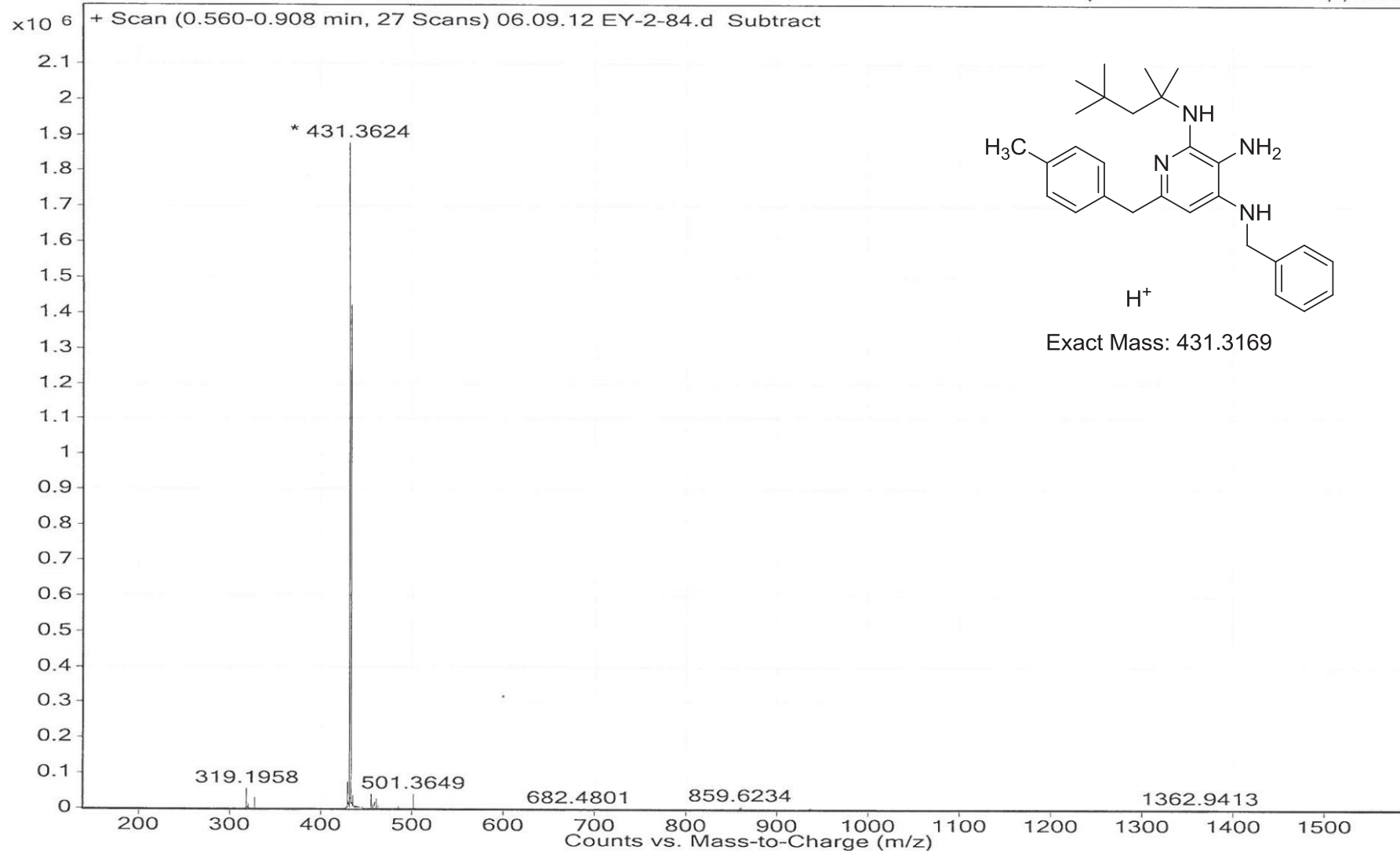
20h MS

Sample Name	06.09.12 EY-2-83 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.09.12 EY-2-83 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/9/2012 10:30:28 AM



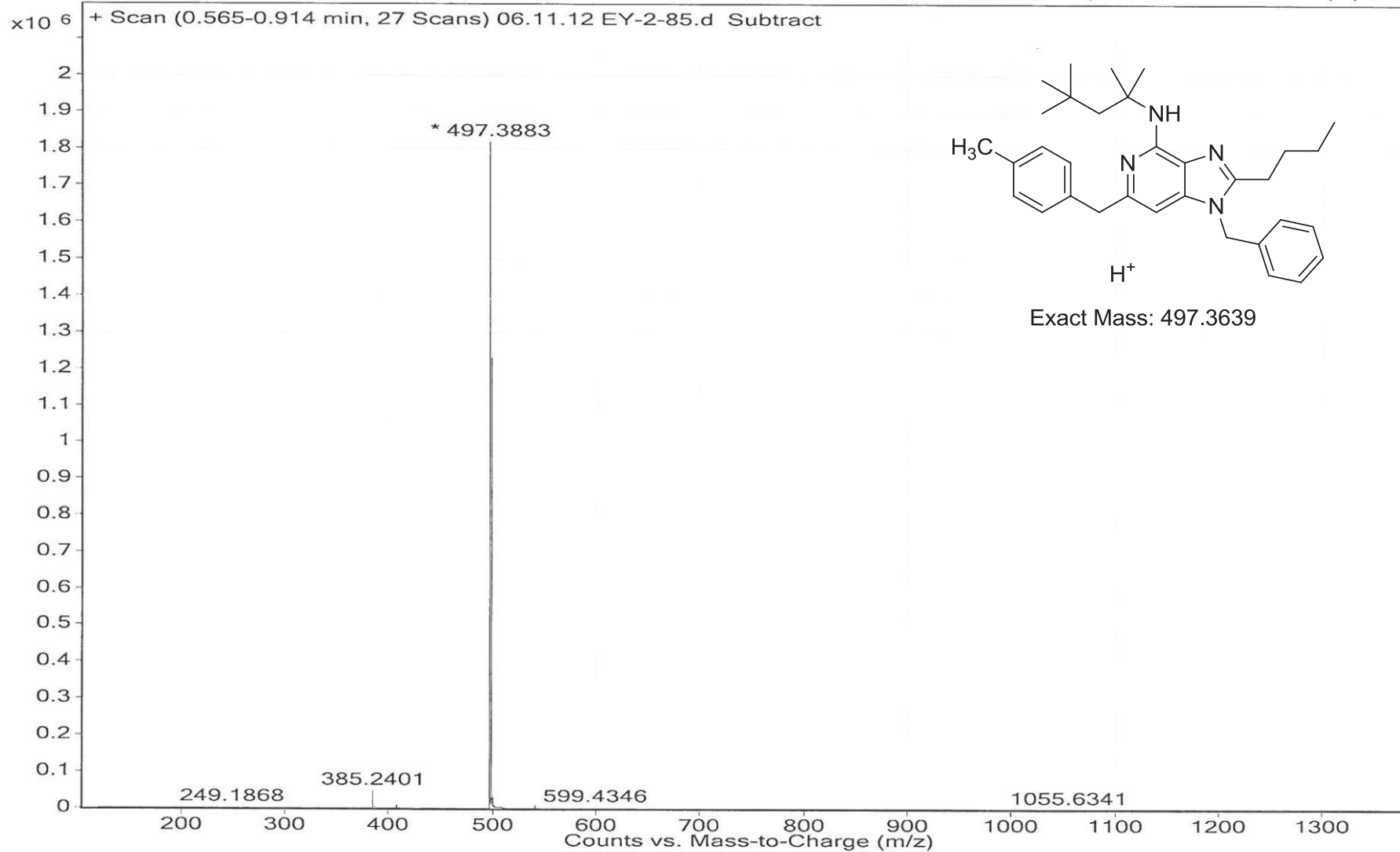
# 21h MS

Sample Name	06.09.12 EY-2-84	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.09.12 EY-2-84.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/9/2012 1:02:08 PM

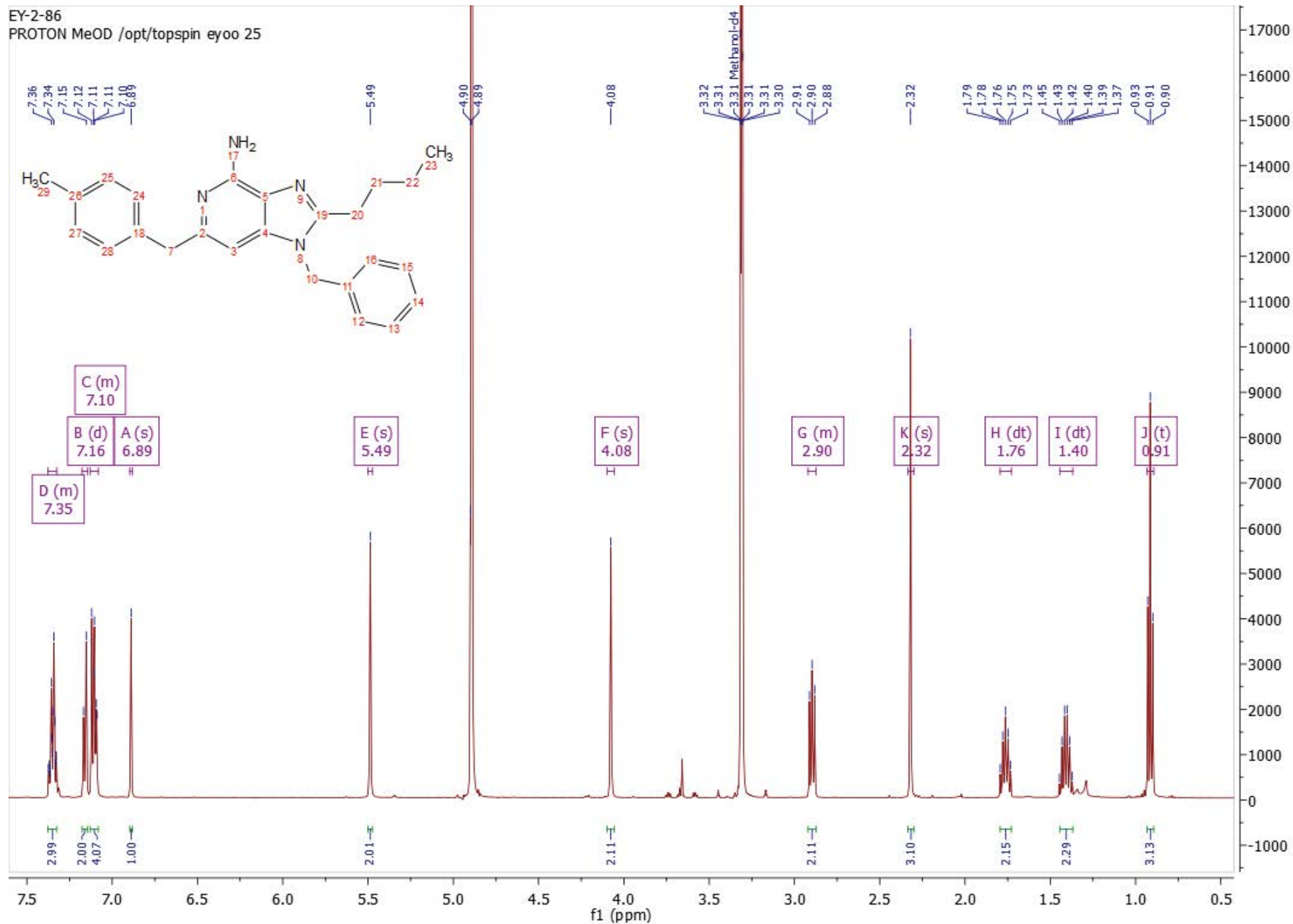


22h MS

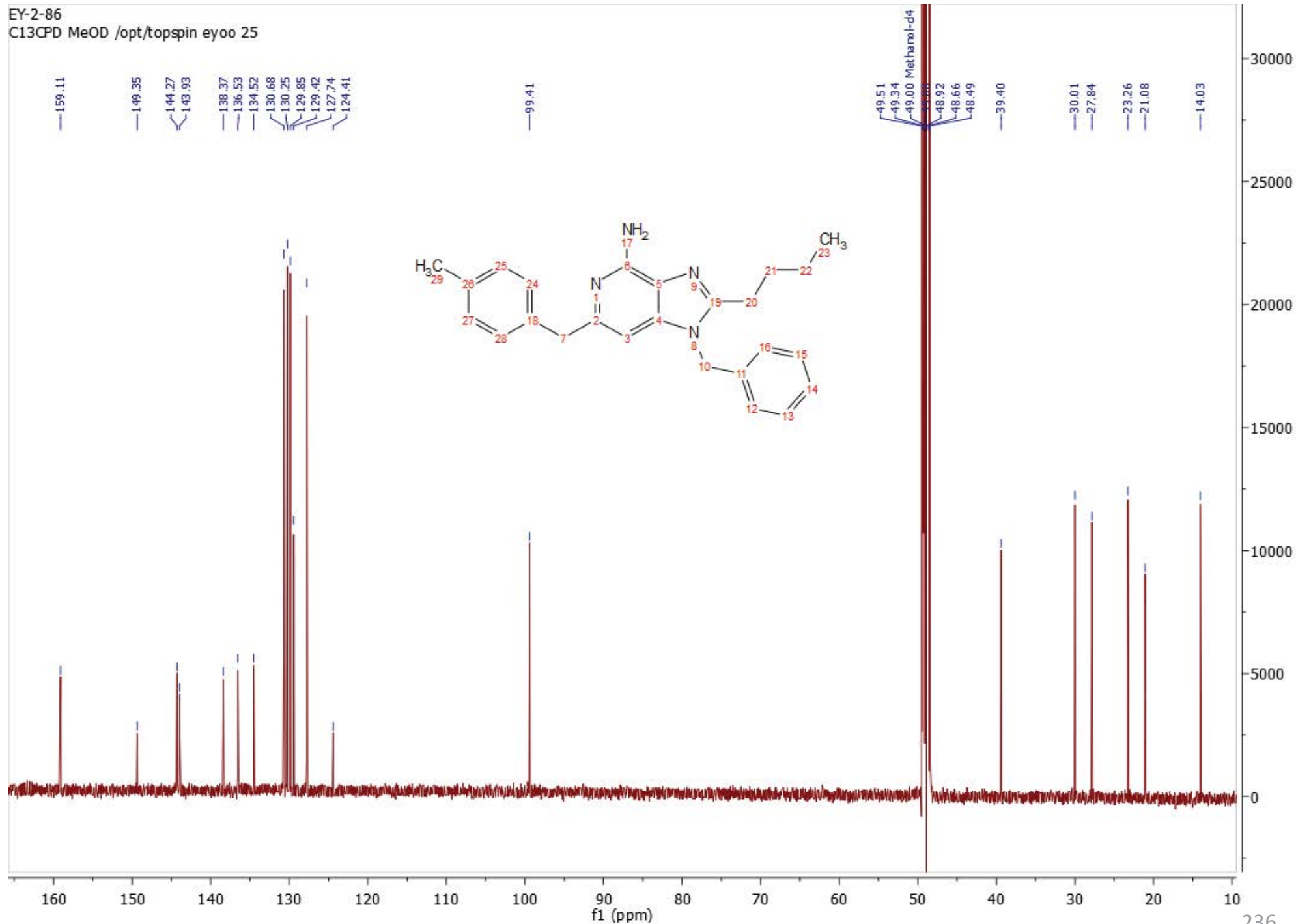
Sample Name	06.11.12 EY-2-85	Position	Vial 2	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.11.12 EY-2-85.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/11/2012 9:31:28 AM



# 23h <sup>1</sup>H NMR



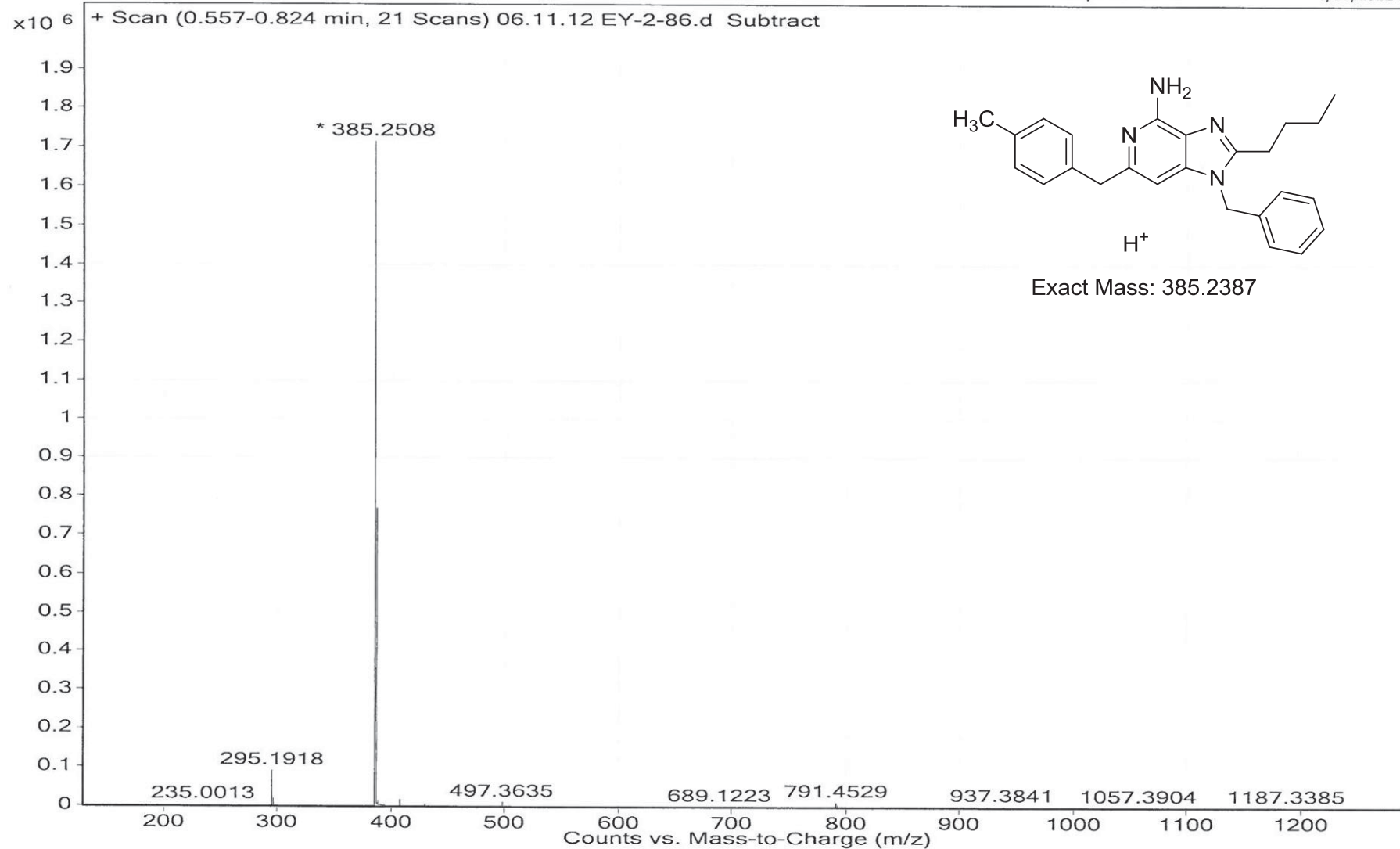
# <sup>23</sup>h <sup>13</sup>C NMR



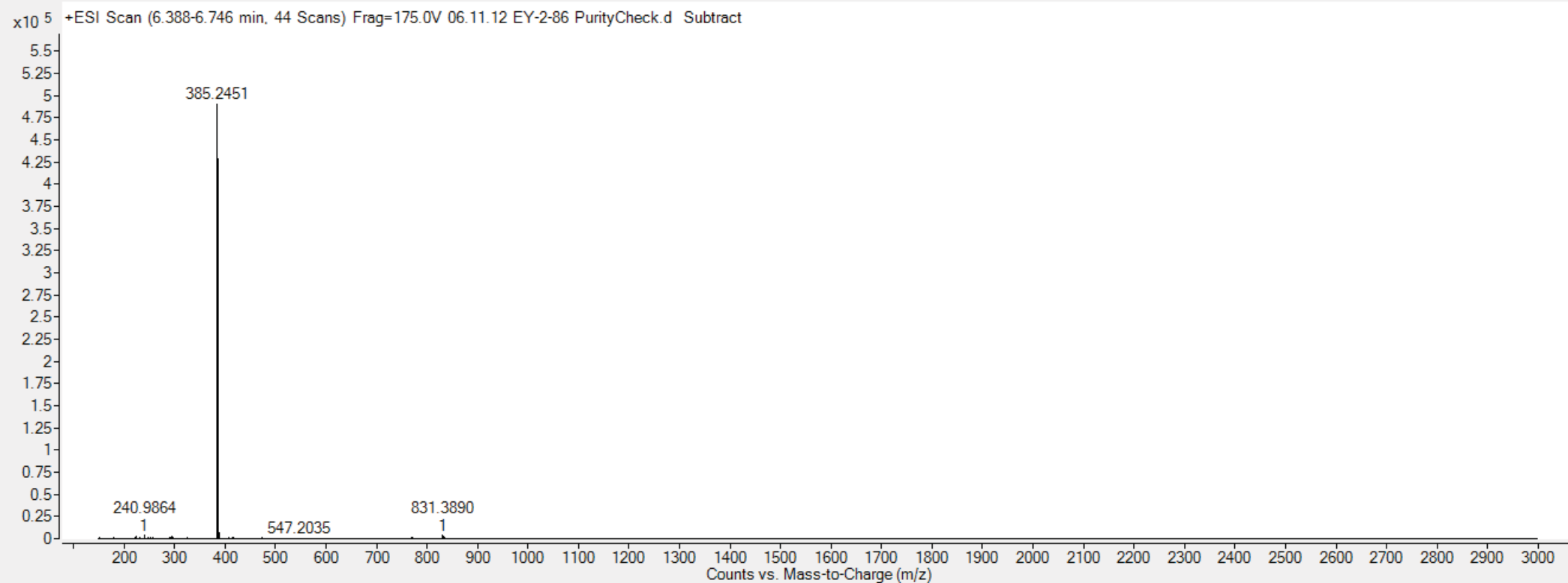
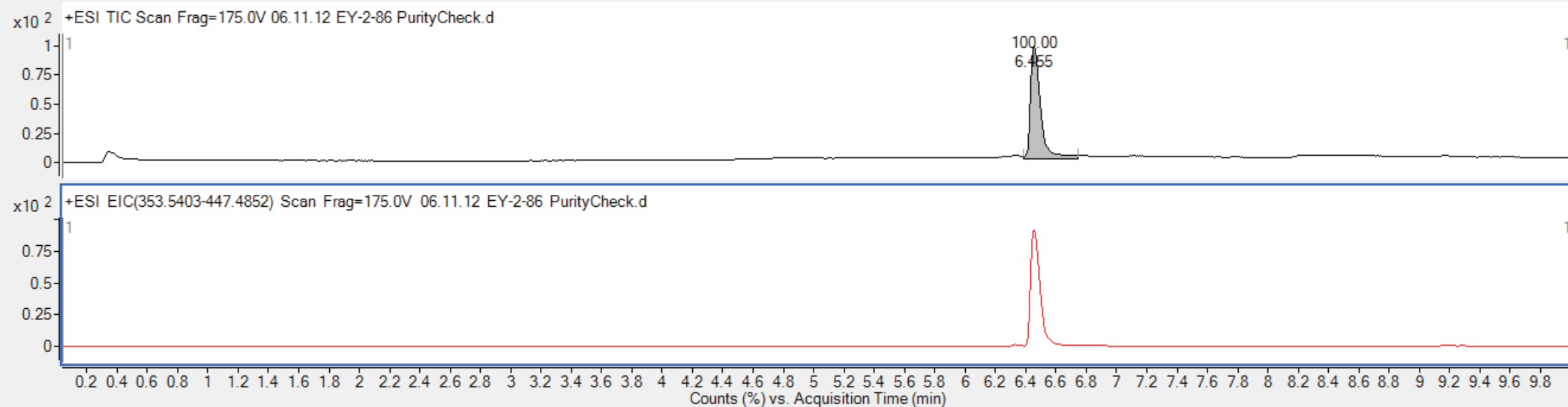


23h MS

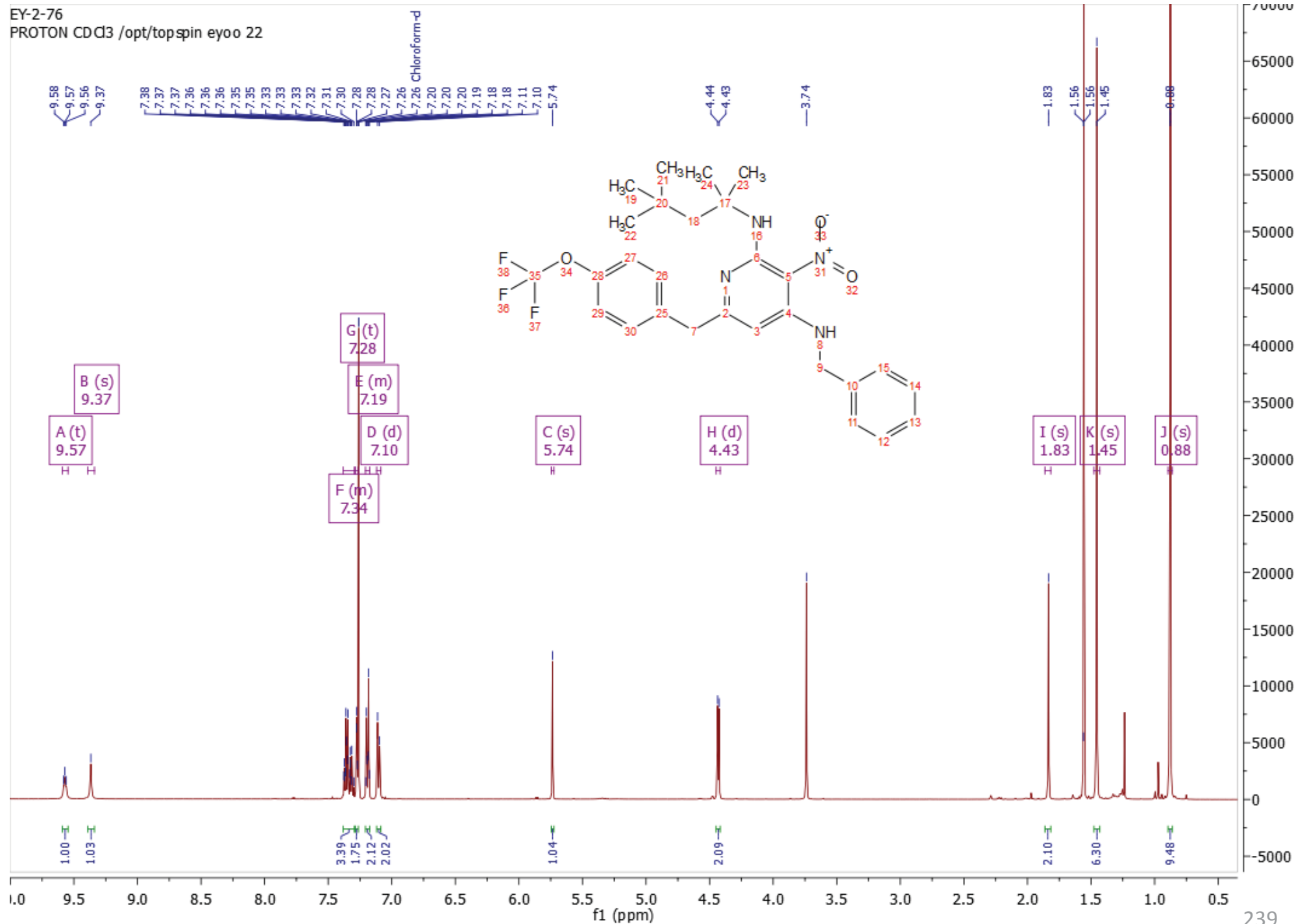
Sample Name	06.11.12 EY-2-86	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.11.12 EY-2-86.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/11/2012 9:27:21 AM



## 23h LC-MS



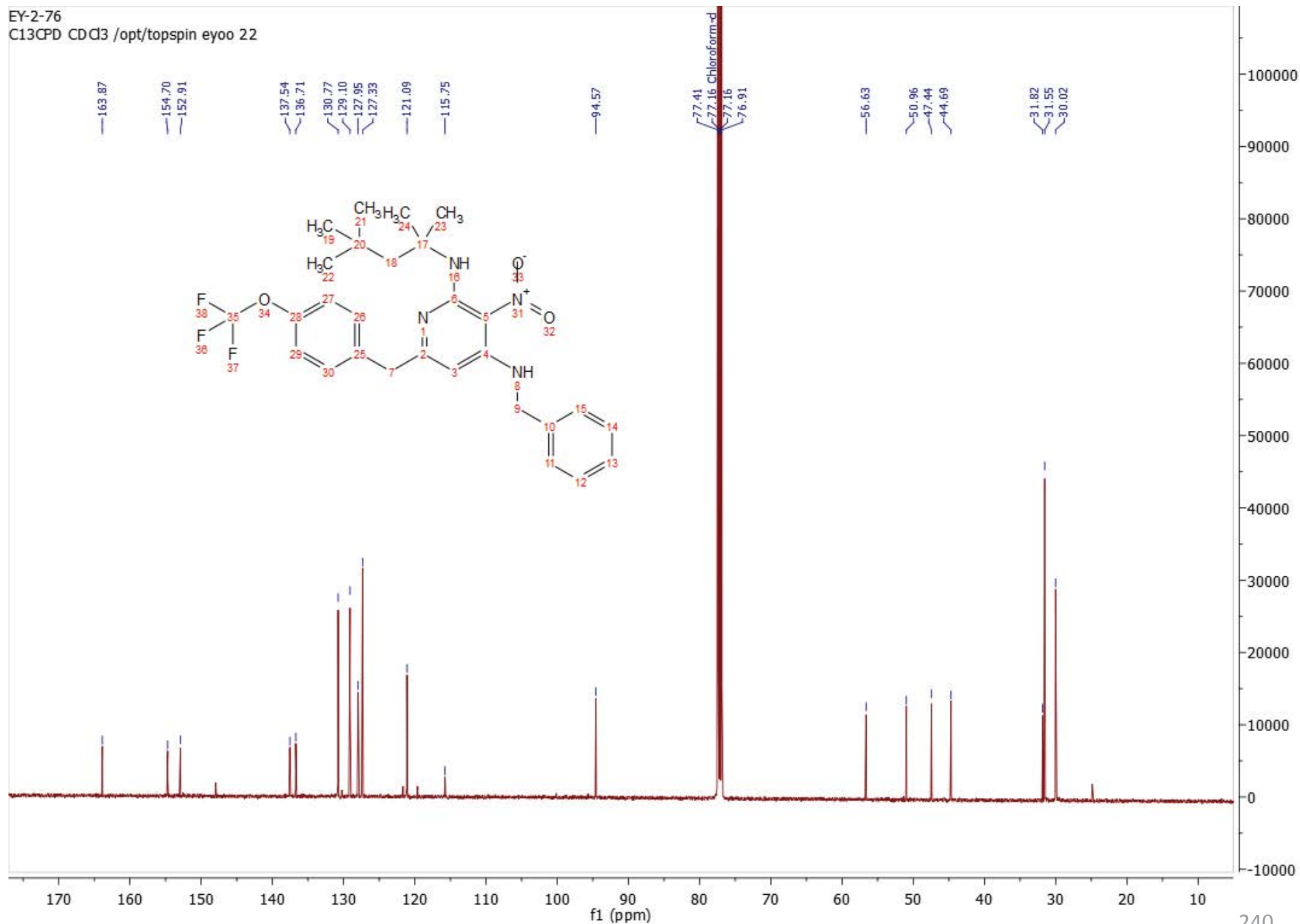
# <sup>201</sup>H NMR



# <sup>20</sup>F <sup>13</sup>C NMR

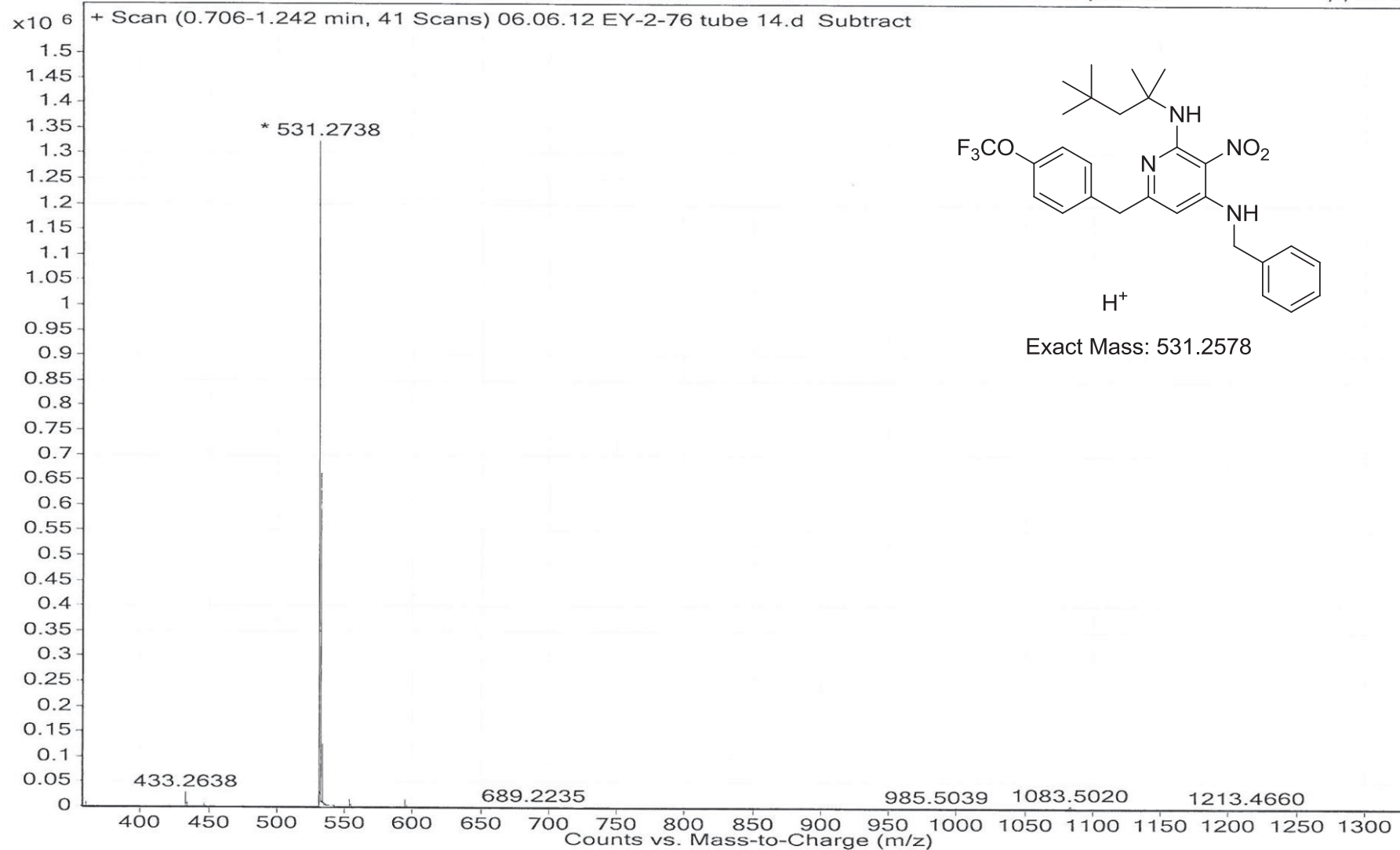
EY-2-76

C13CPD CDCl<sub>3</sub> /opt/topspin eyoo 22



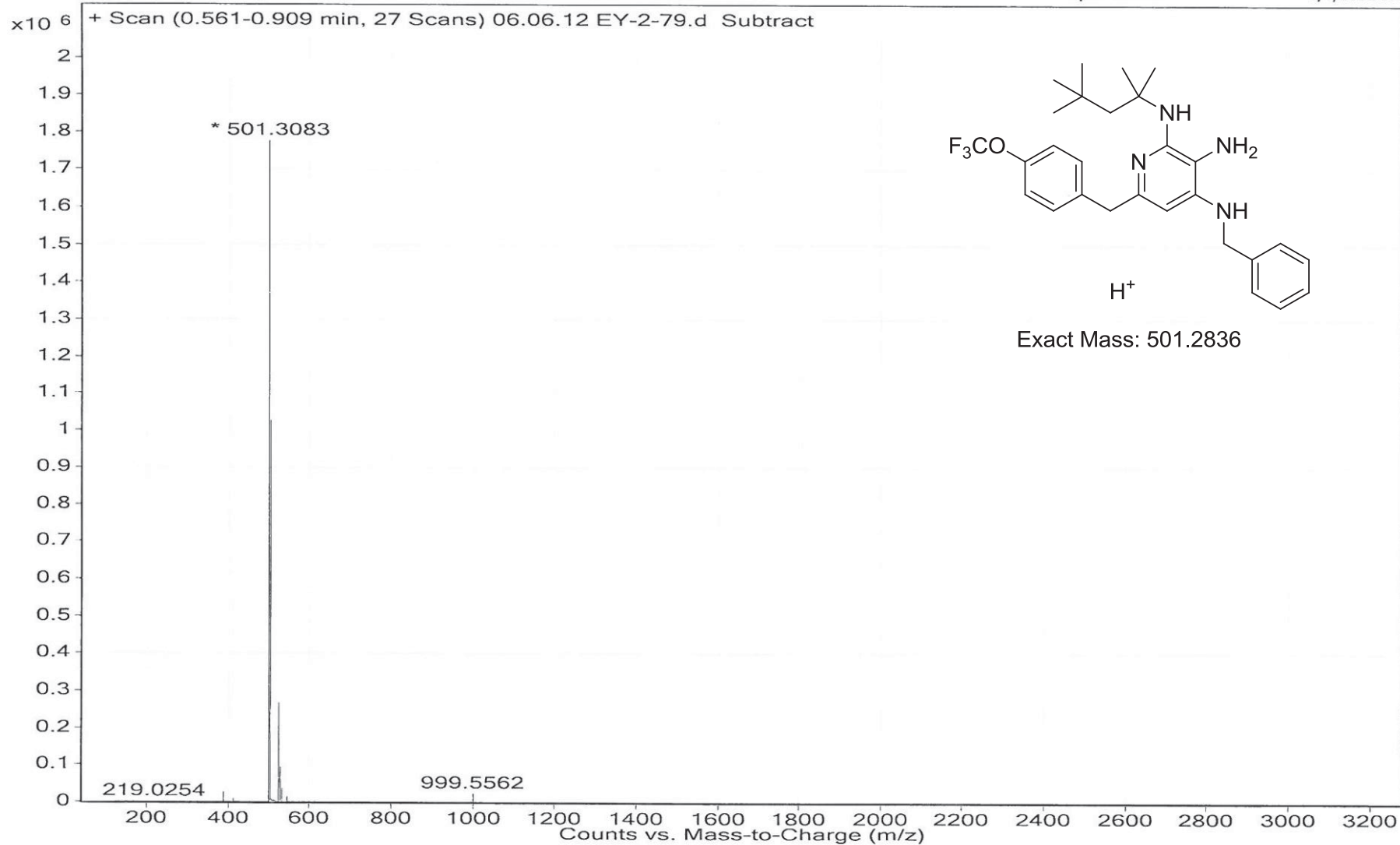
# 201 MS

Sample Name	06.06.12 EY-2-76 tub	Position	Vial 2	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.06.12 EY-2-76 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/6/2012 11:10:31 AM



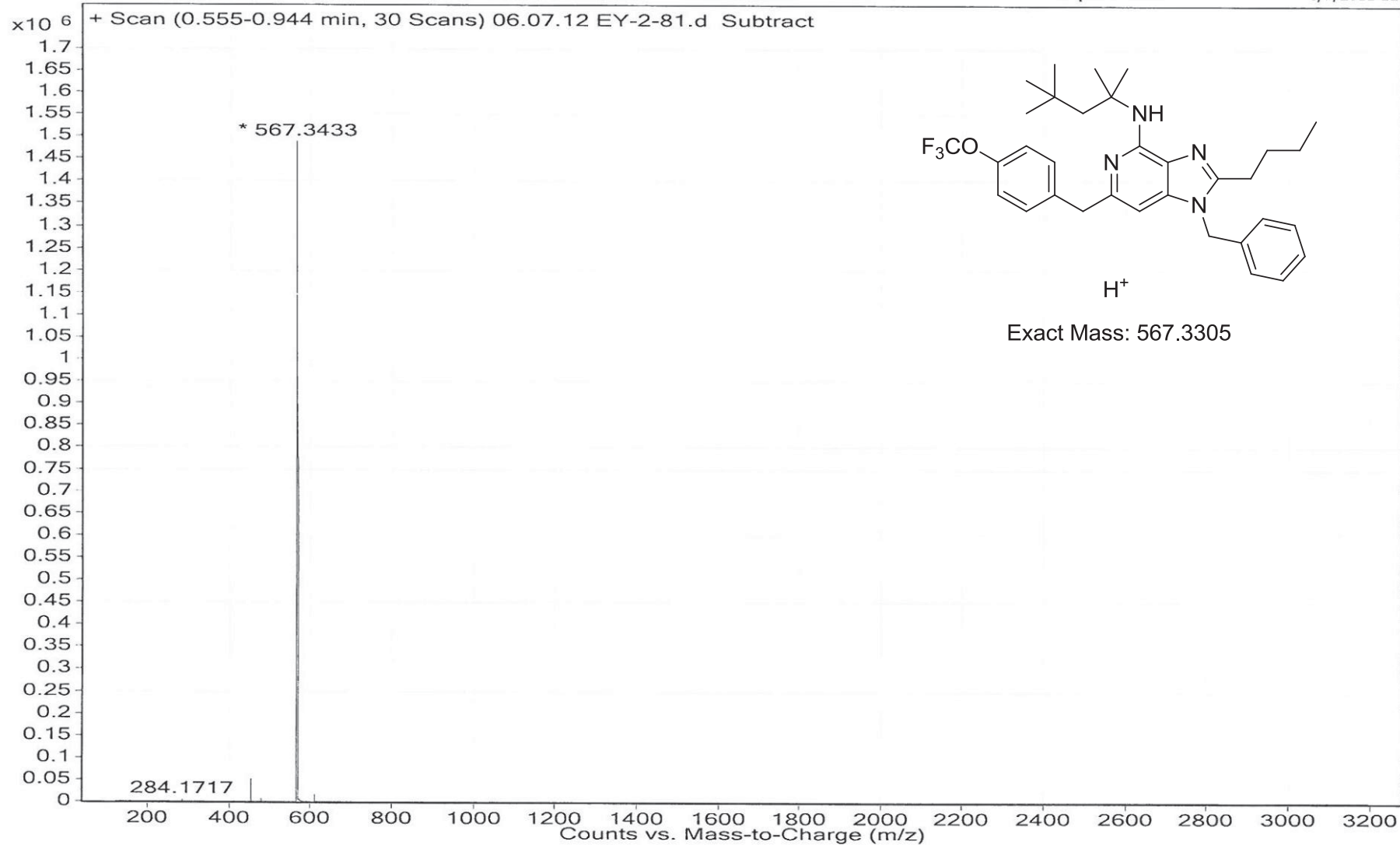
# 211 MS

Sample Name	06.06.12 EY-2-79	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.06.12 EY-2-79.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/6/2012 5:10:26 PM

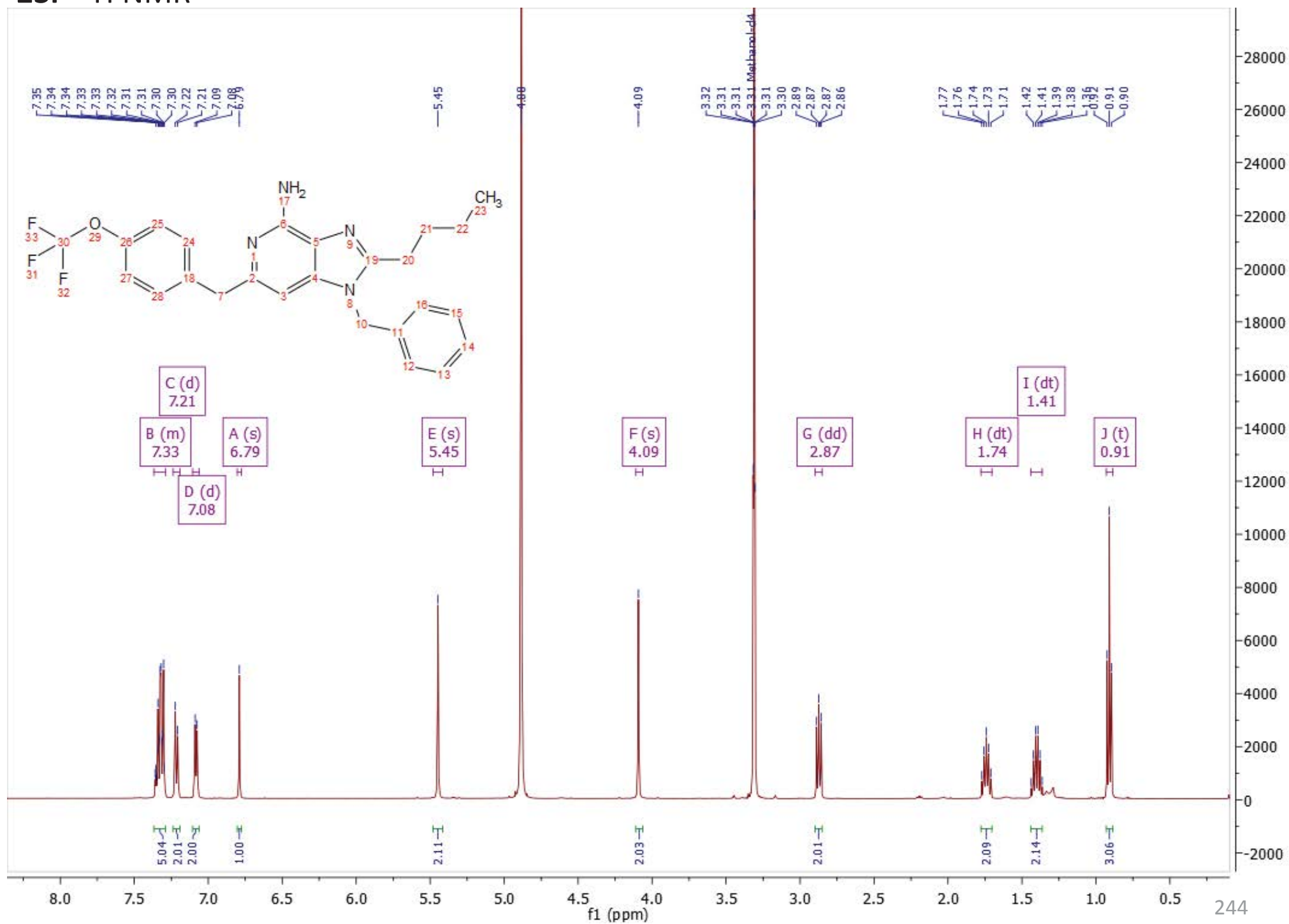


# 22i MS

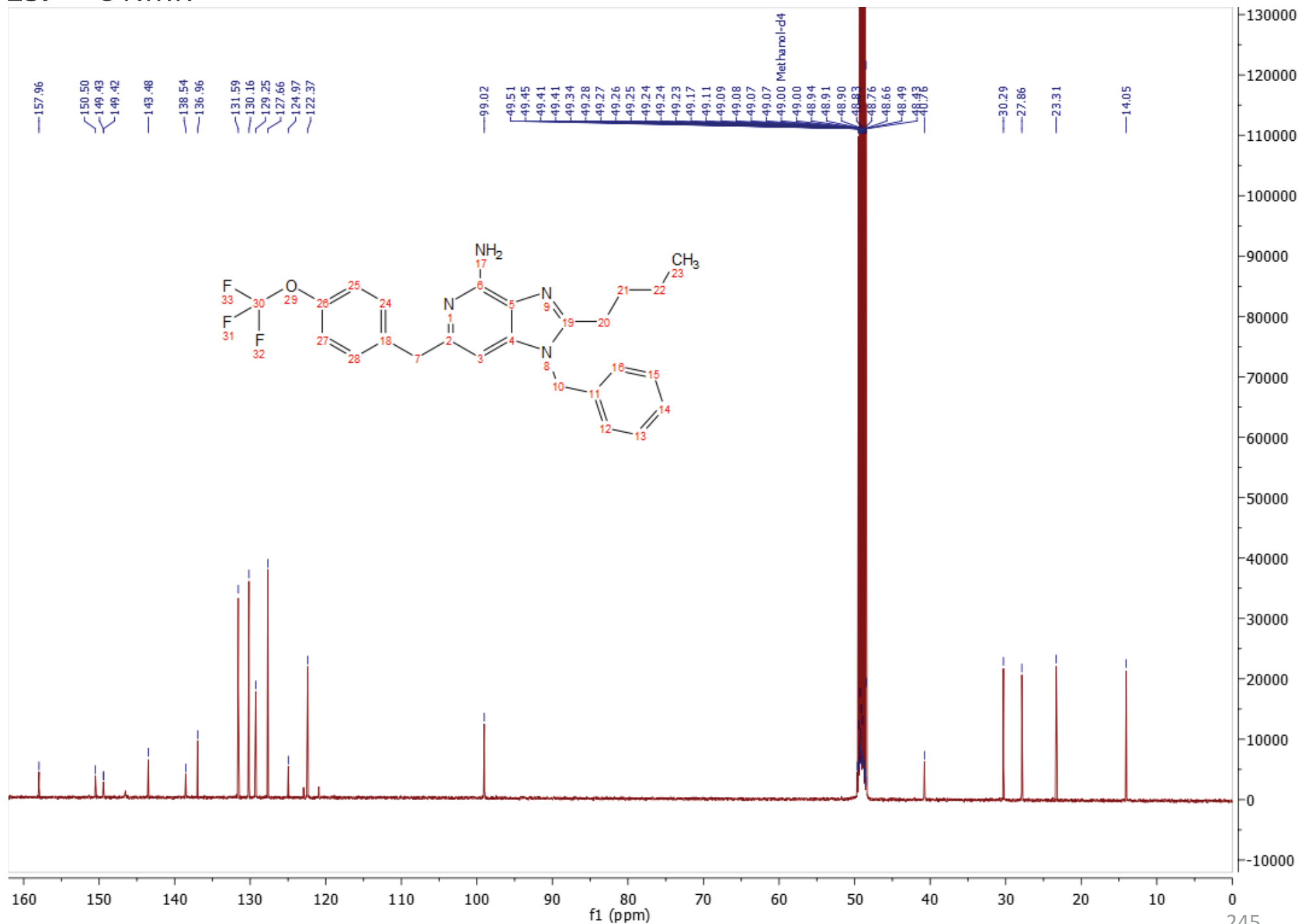
Sample Name	06.07.12 EY-2-81	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.07.12 EY-2-81.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/7/2012 12:03:13 PM





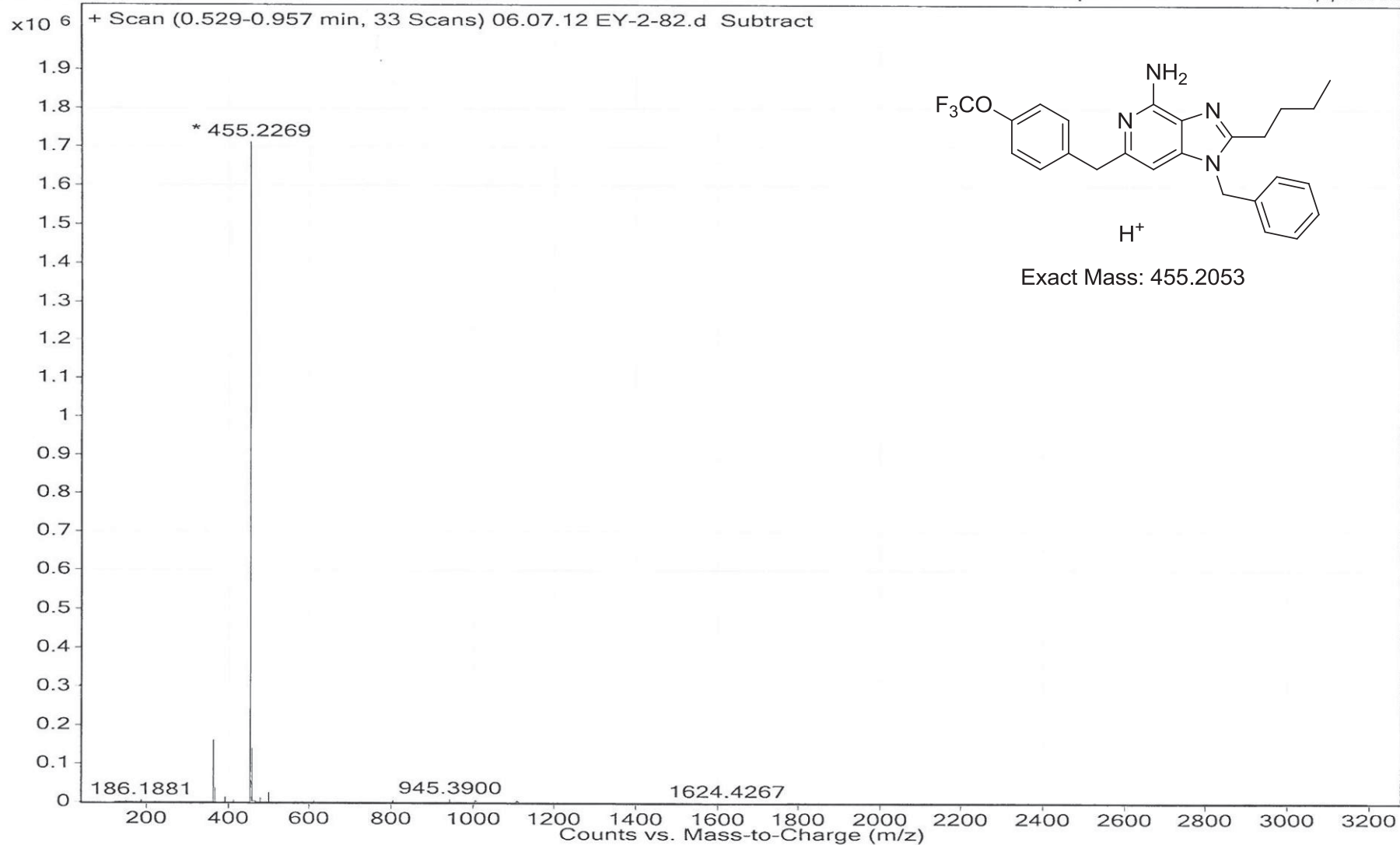


# <sup>23</sup>F <sup>13</sup>C NMR

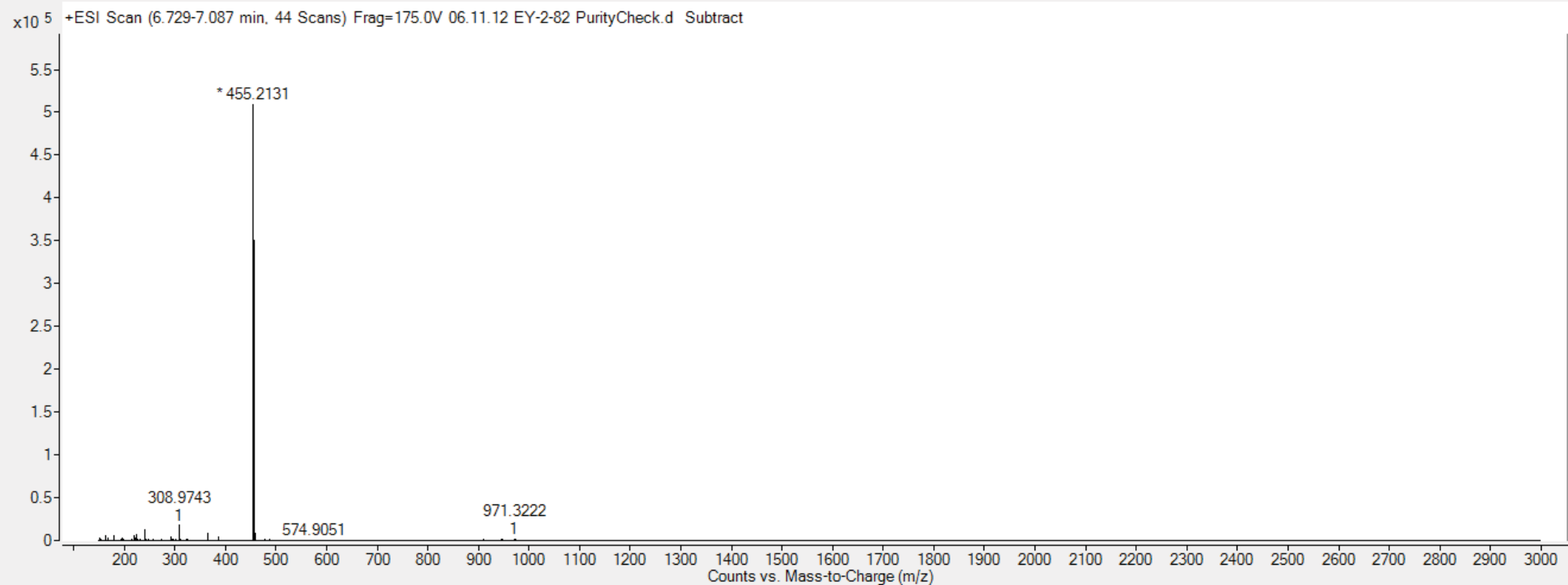
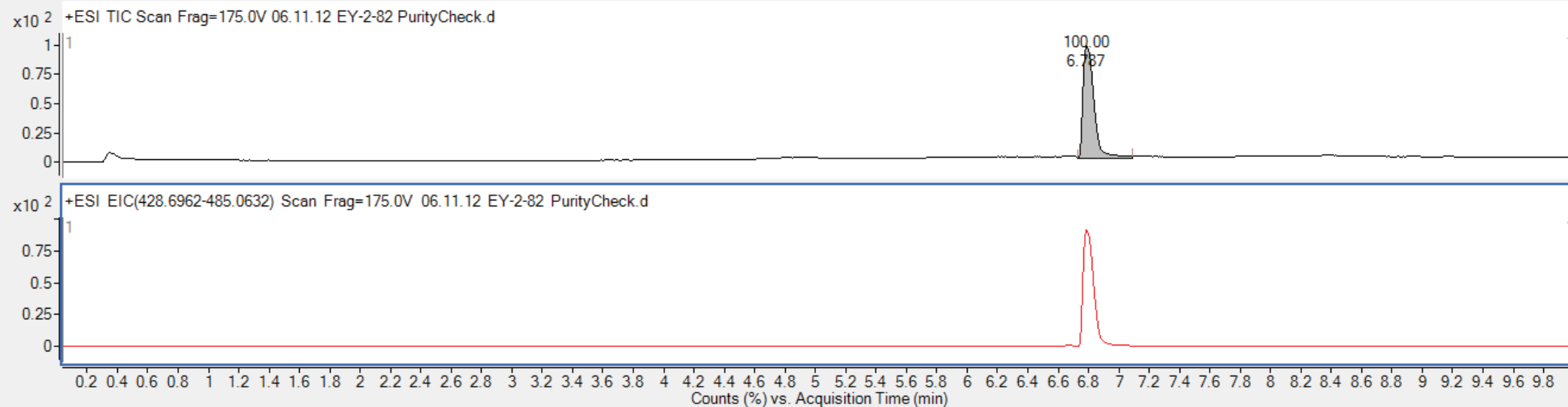


# 231 MS

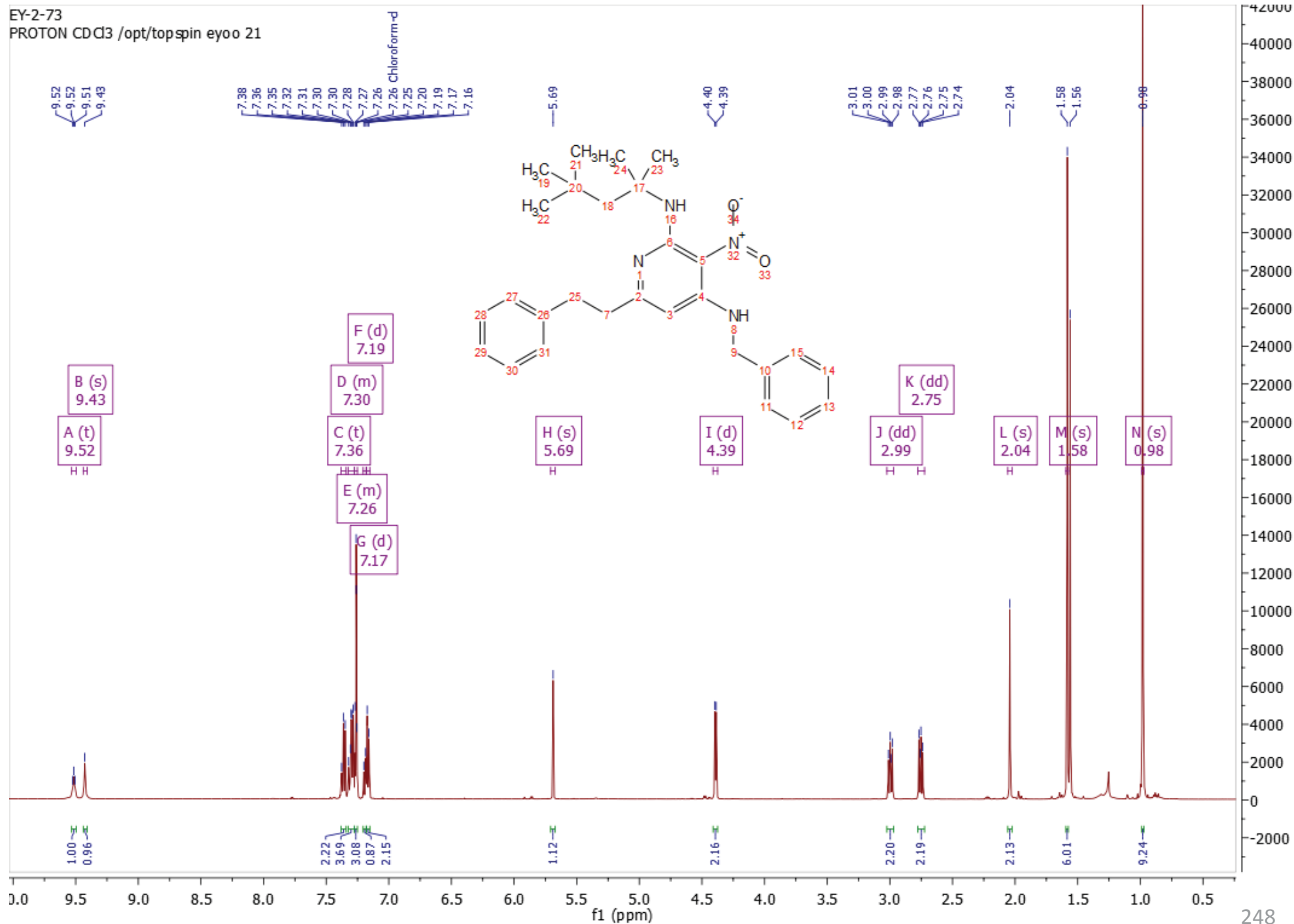
Sample Name	06.07.12 EY-2-82	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.07.12 EY-2-82.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/7/2012 2:24:19 PM



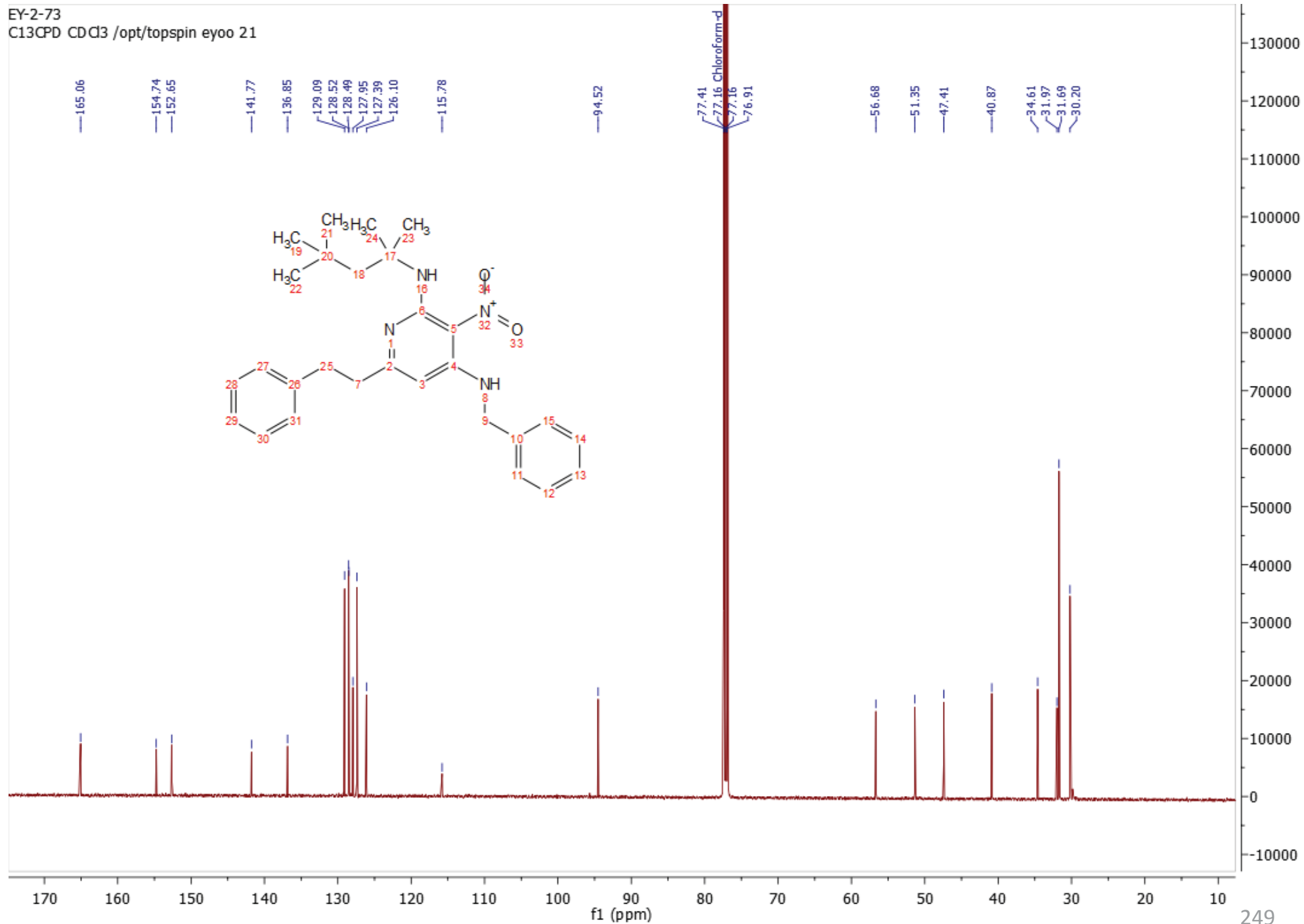
## 231 LC-MS



# 20j <sup>1</sup>H NMR

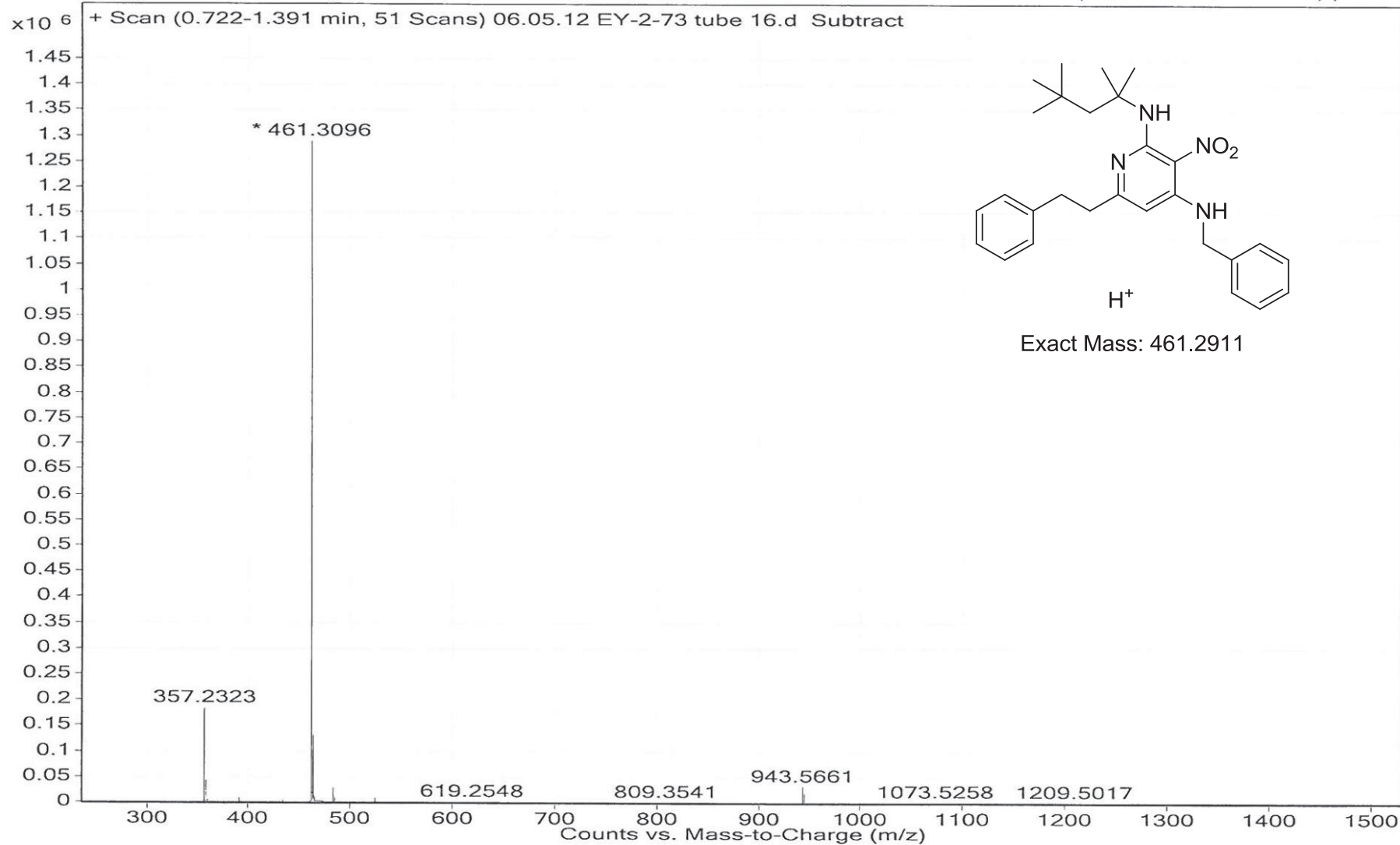


# <sup>20</sup>J <sup>13</sup>C NMR



20j MS

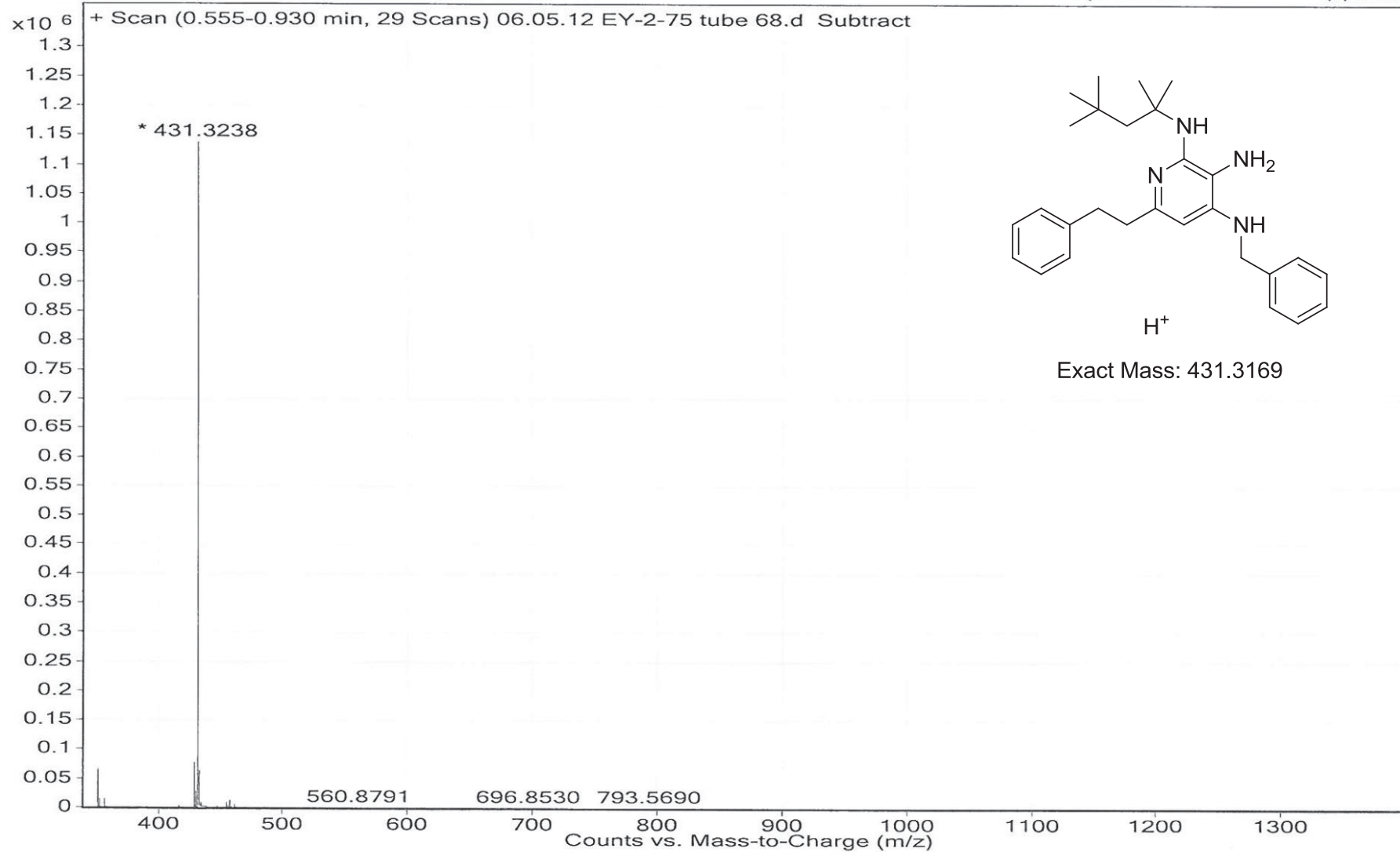
Sample Name	06.05.12 EY-2-73 tub	Position	Vial 2	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.05.12 EY-2-73 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/5/2012 11:15:15 AM





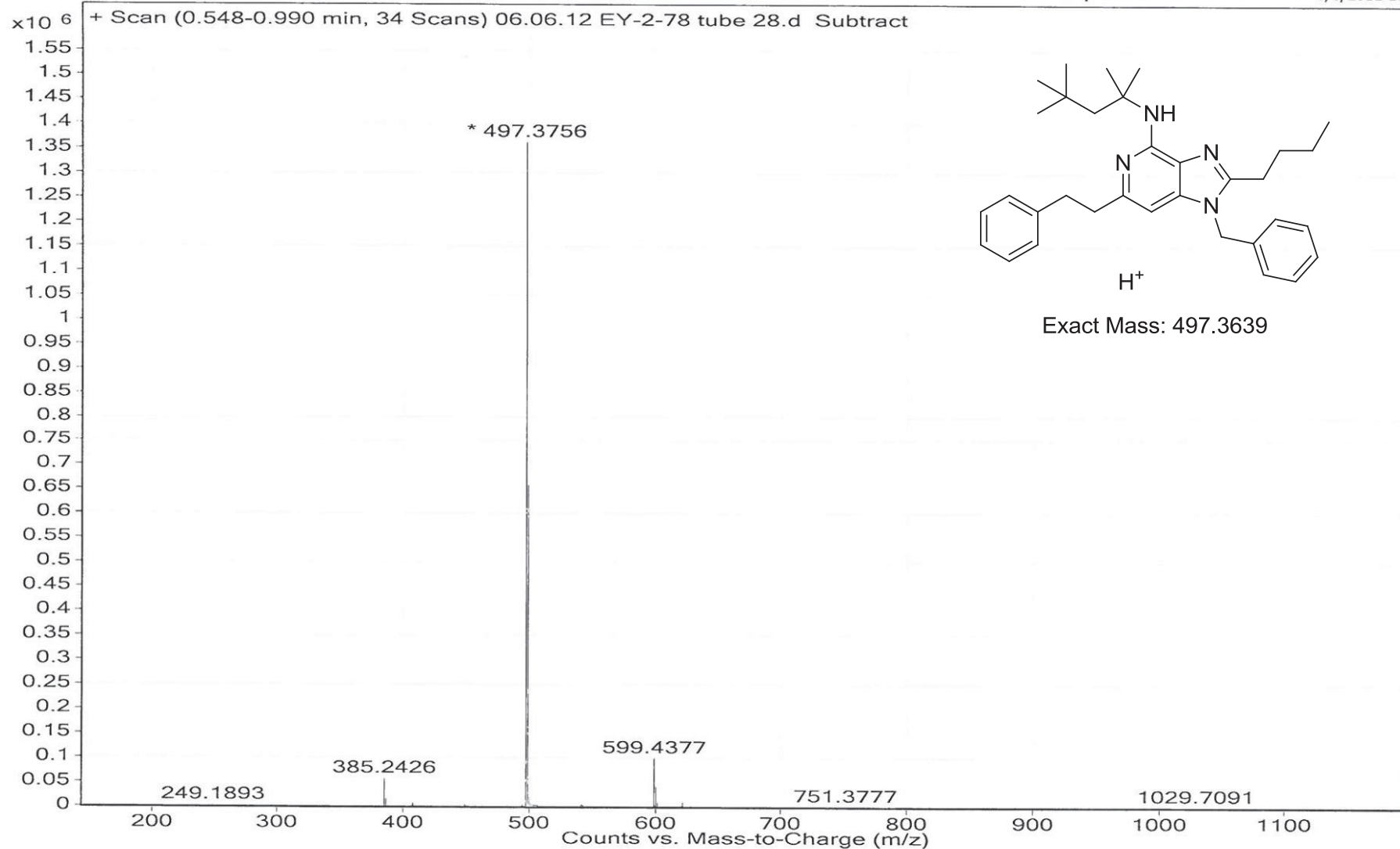
21j MS

Sample Name	06.05.12 EY-2-75 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.05.12 EY-2-75 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/5/2012 3:41:23 PM

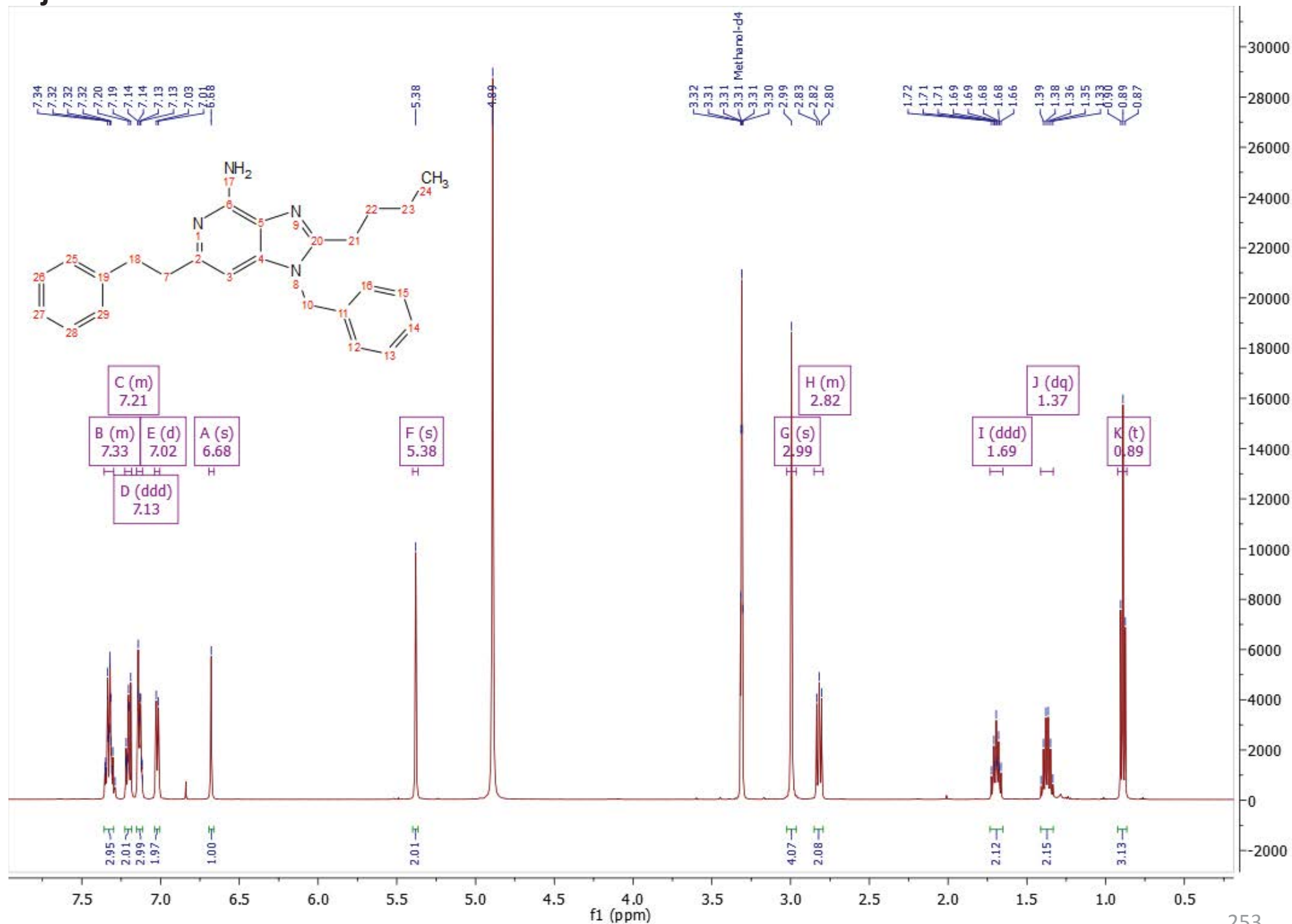


22j MS

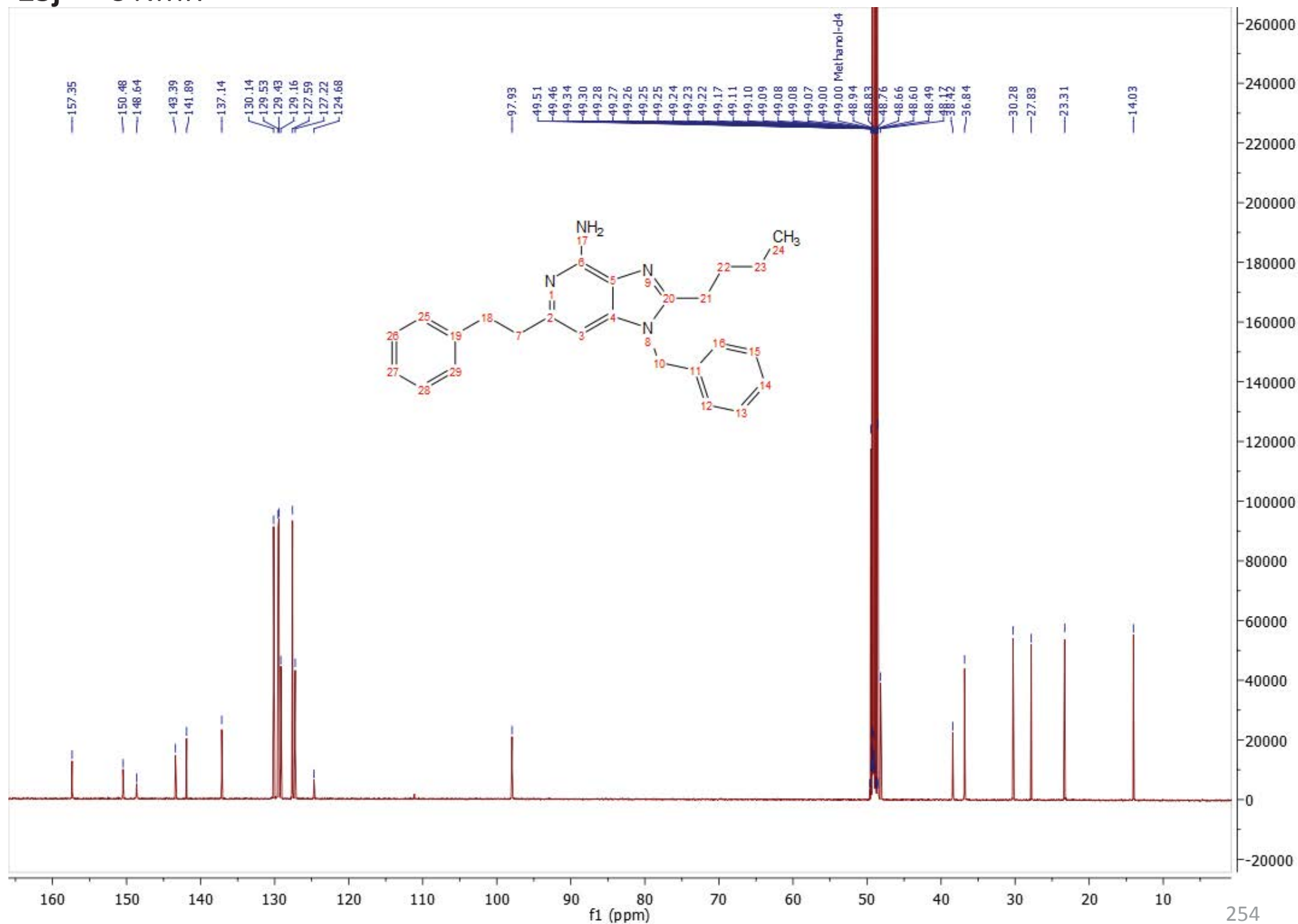
Sample Name	06.06.12 EY-2-78 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.06.12 EY-2-78 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/6/2012 1:31:15 PM



# 23j <sup>1</sup>H NMR

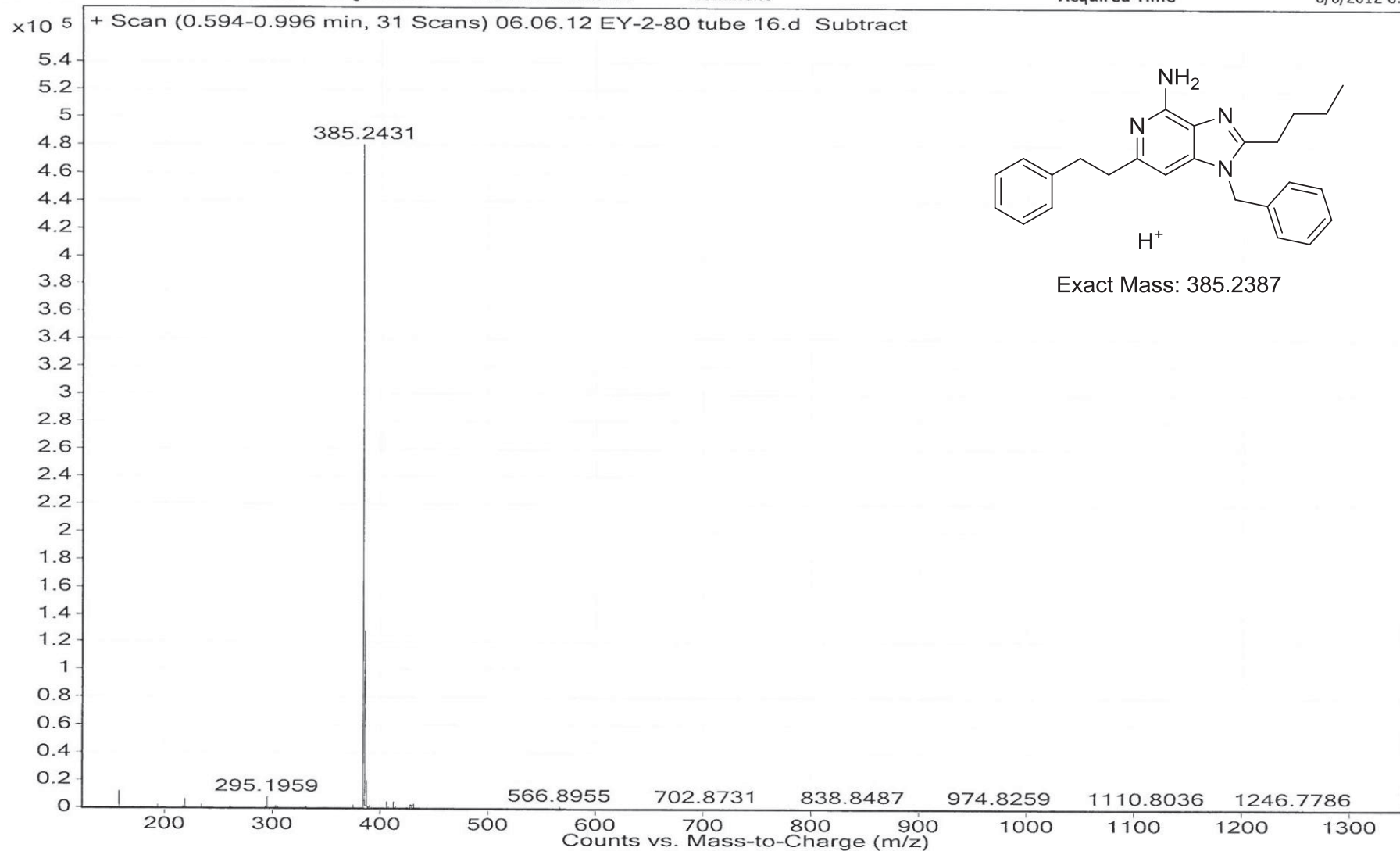


# 23j <sup>13</sup>C NMR

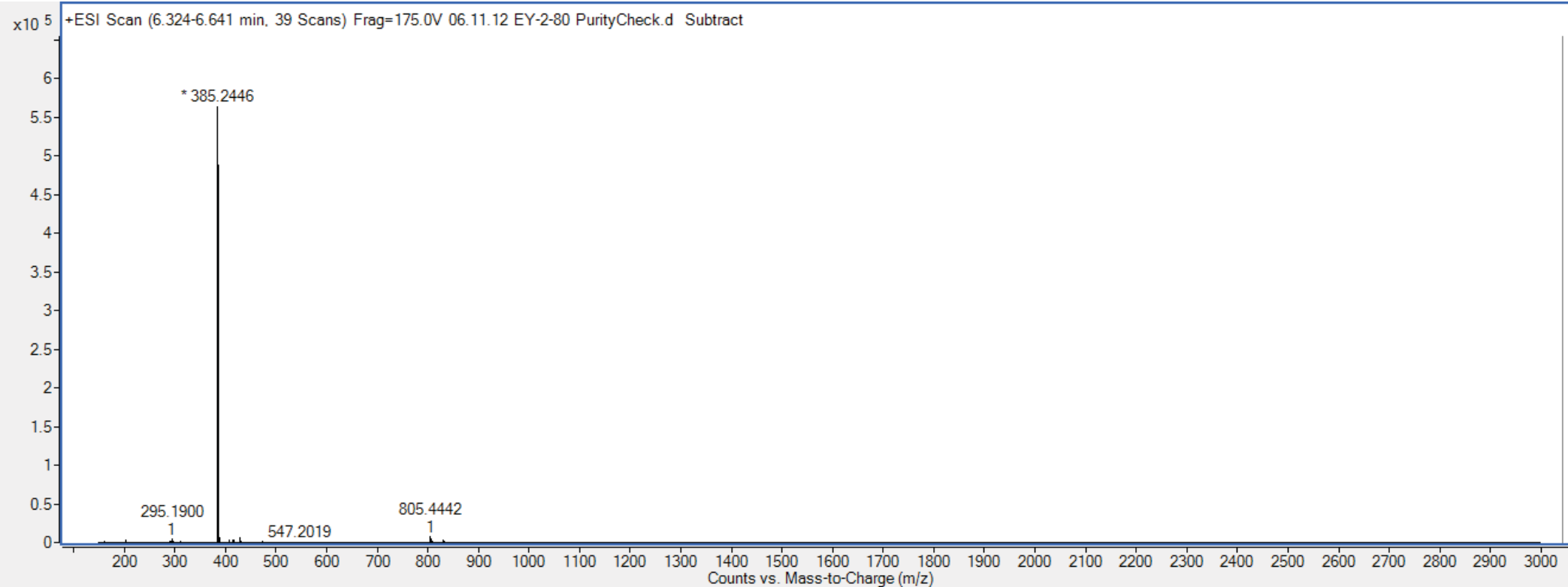
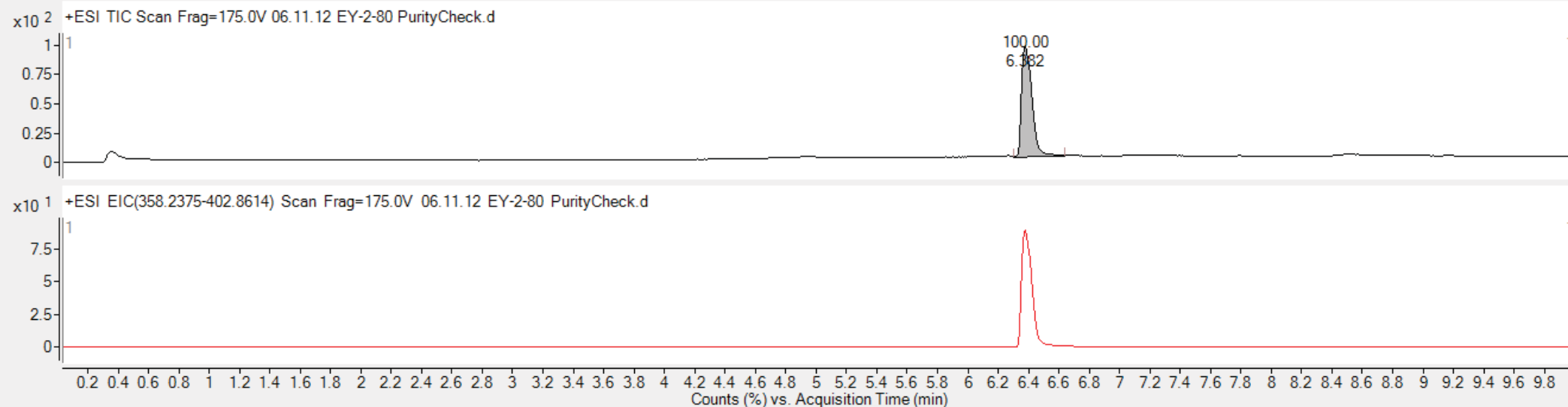


23j MS

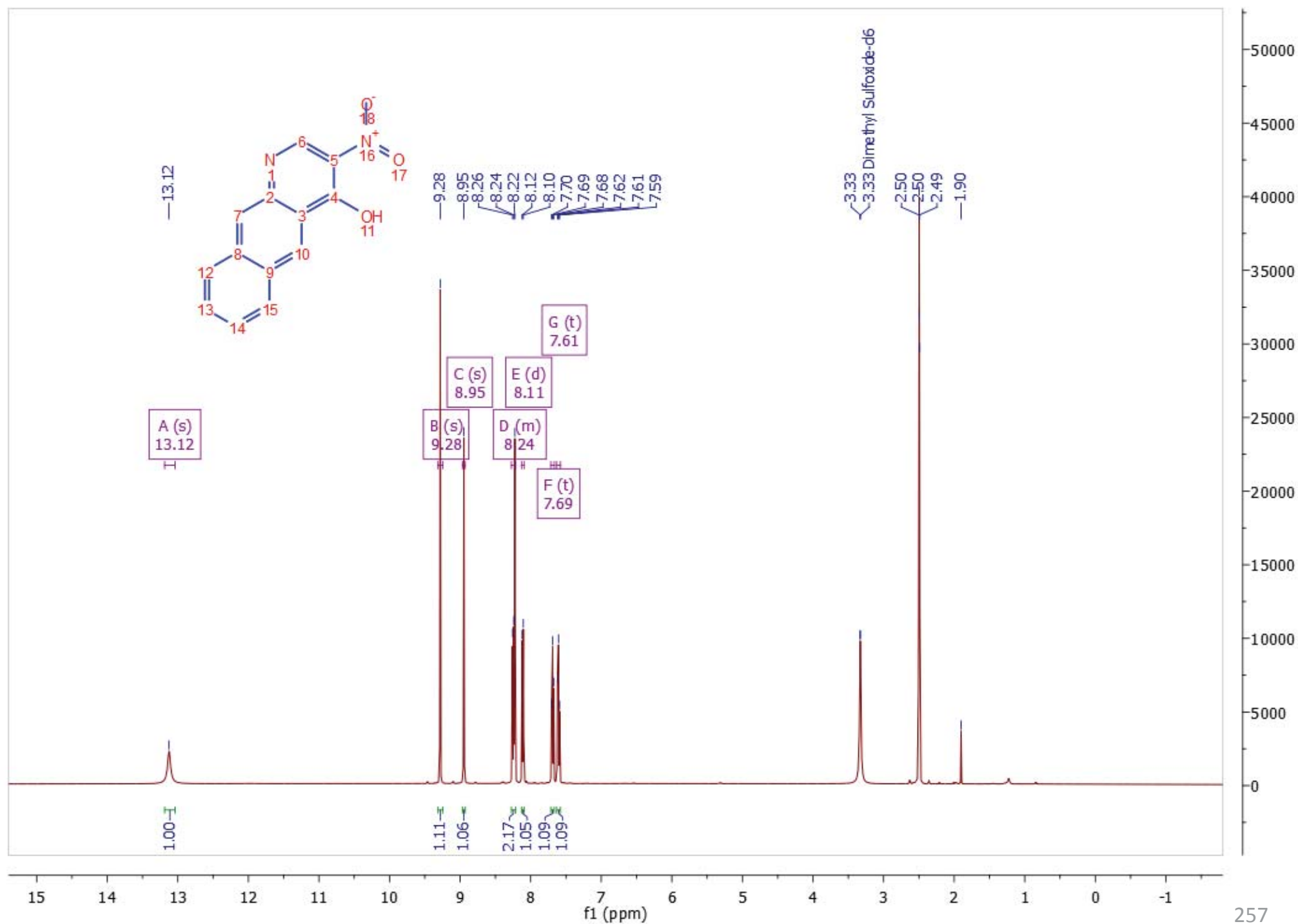
Sample Name	06.06.12 EY-2-80 tub	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	06.06.12 EY-2-80 tub	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	6/6/2012 6:20:35 PM



## 23j LC-MS

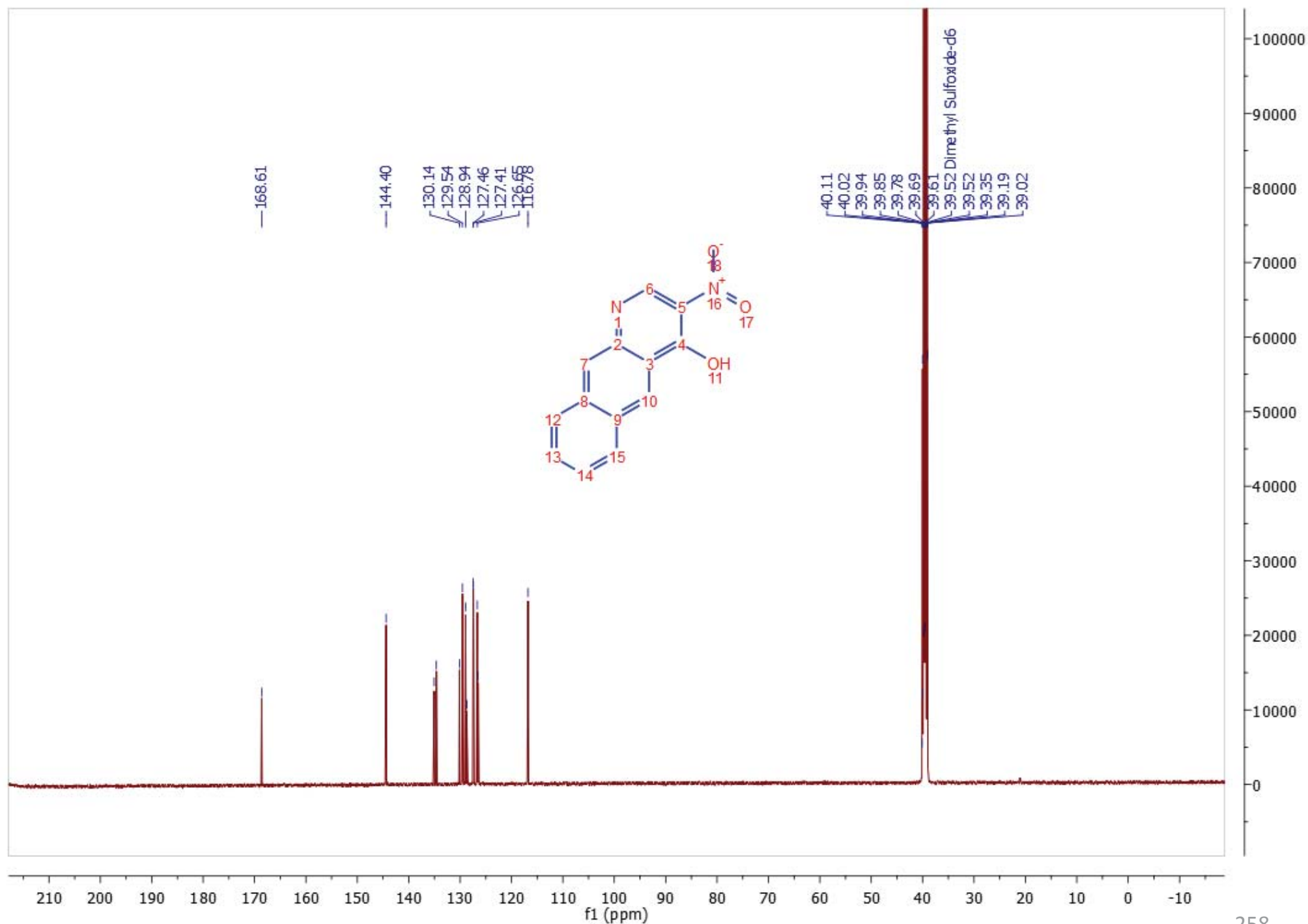


# 24 <sup>1</sup>H NMR

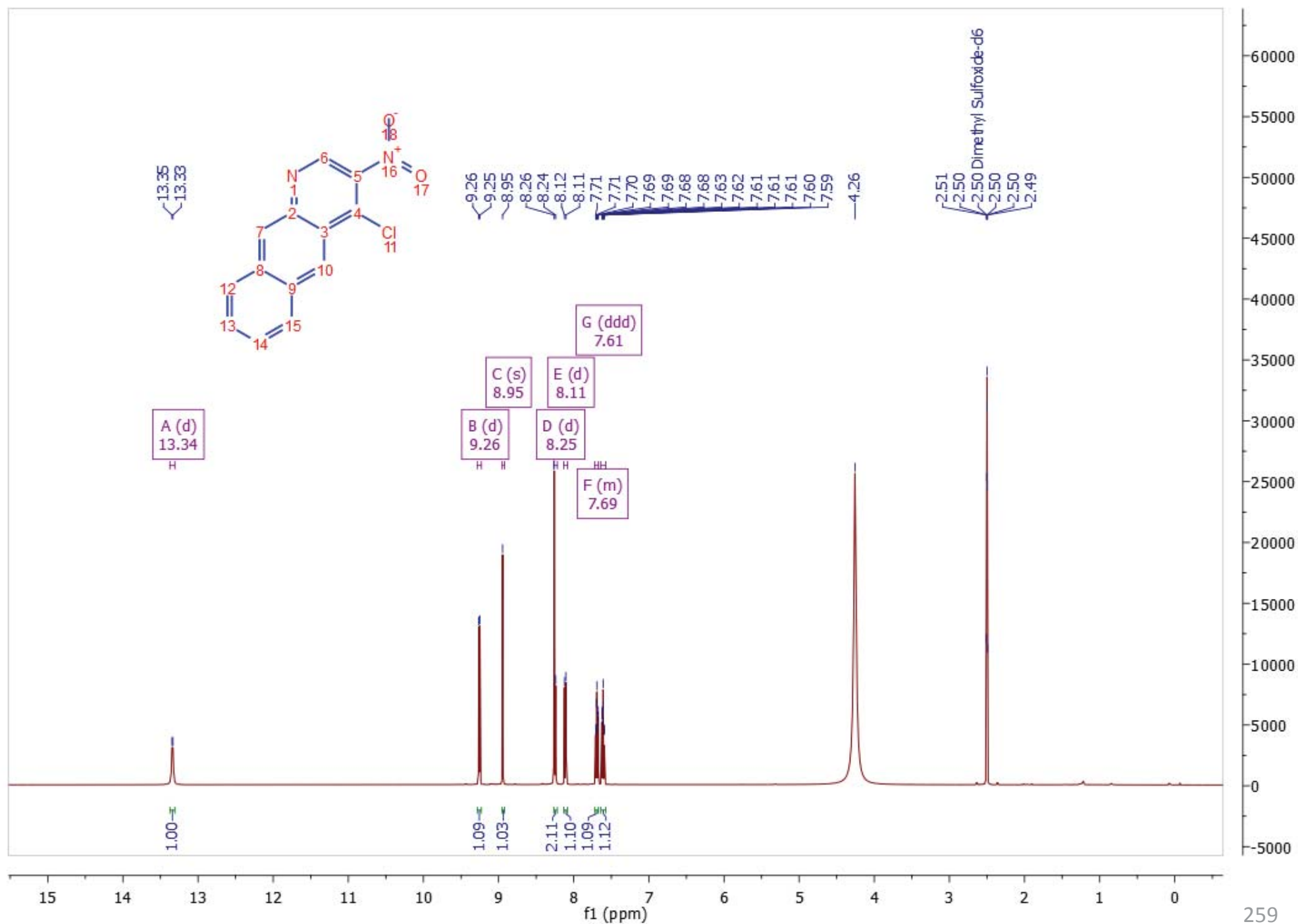




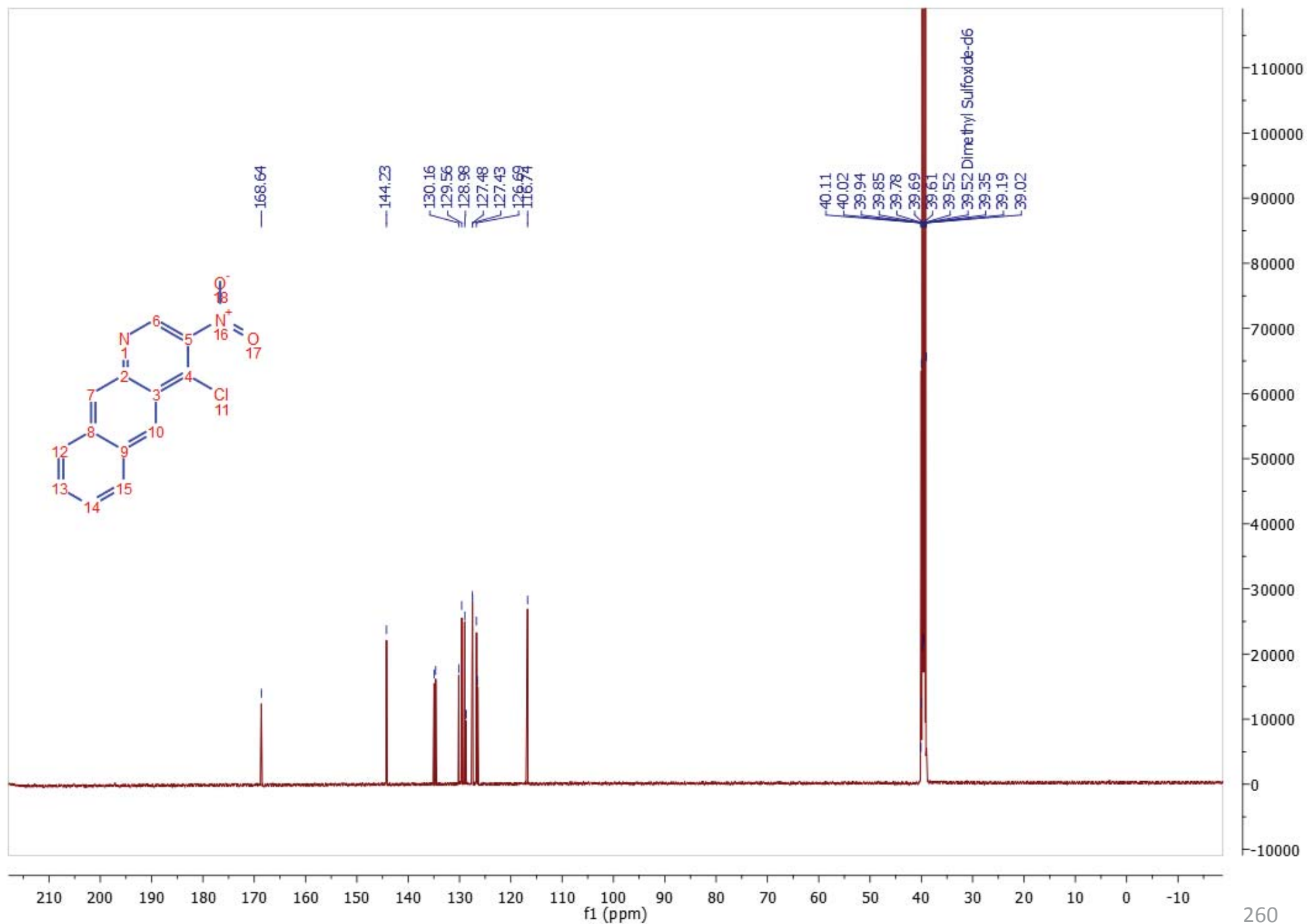
## <sup>24</sup> <sup>13</sup>C NMR



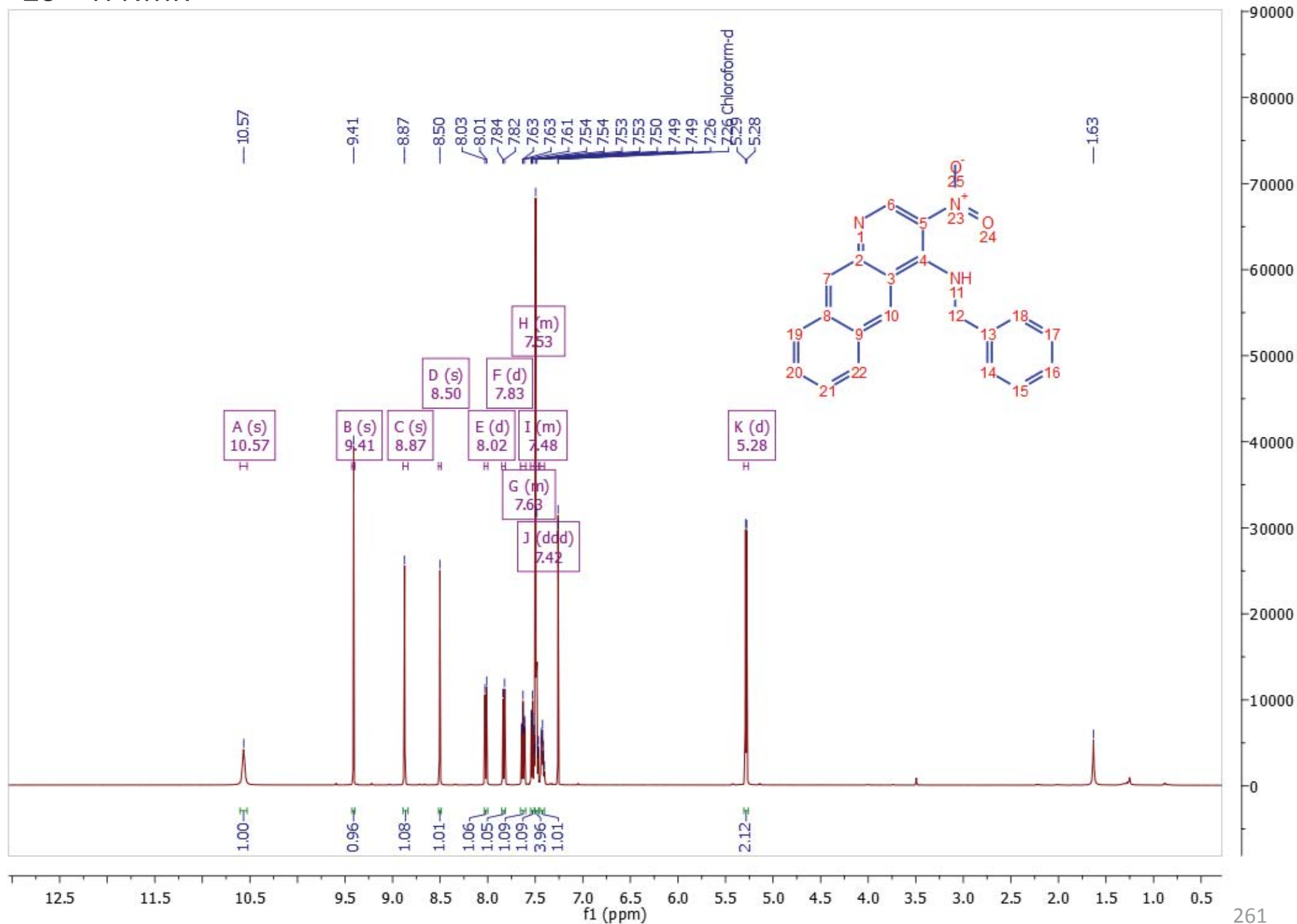
# 25 <sup>1</sup>H NMR



# <sup>25</sup> <sup>13</sup>C NMR



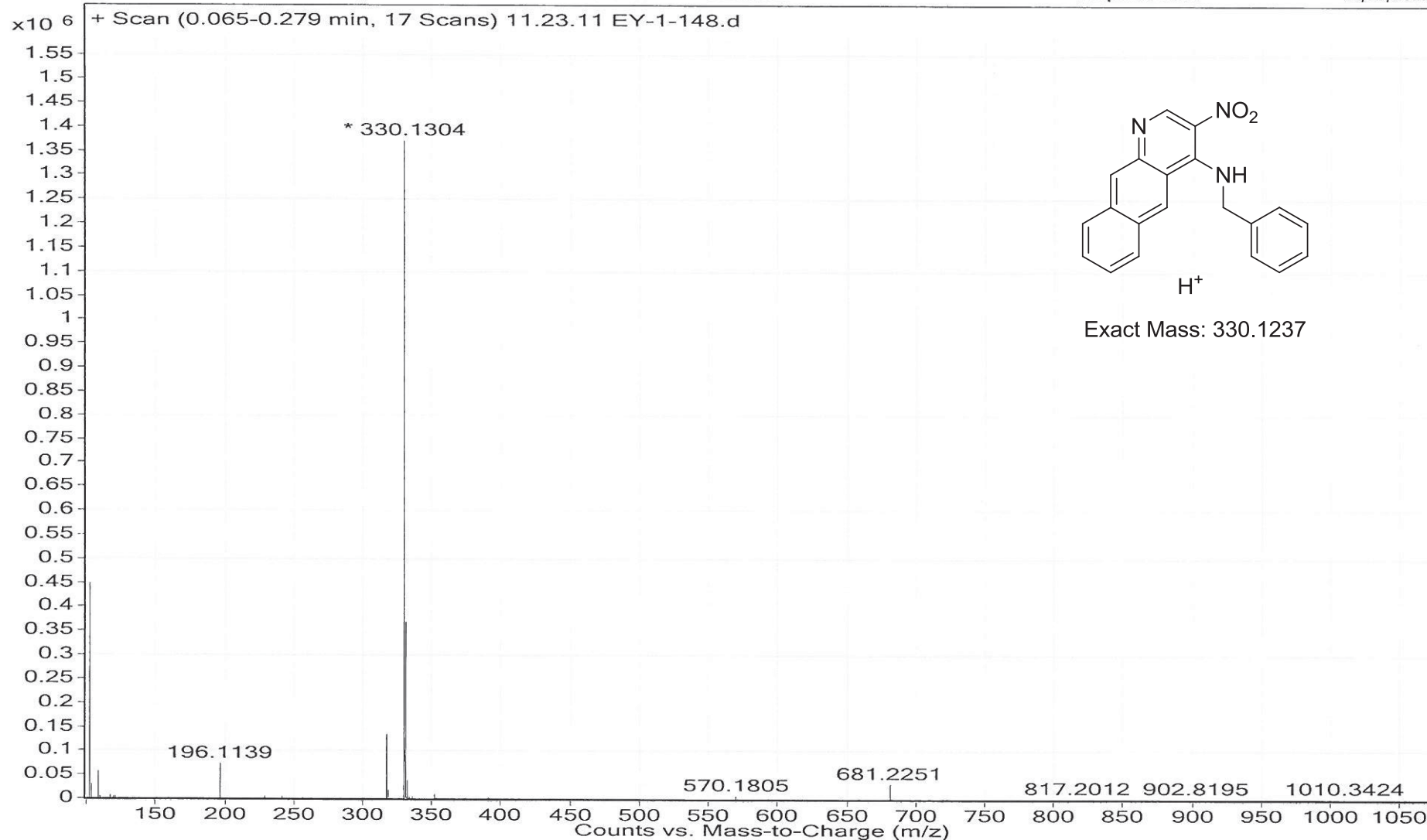
# 26 <sup>1</sup>H NMR





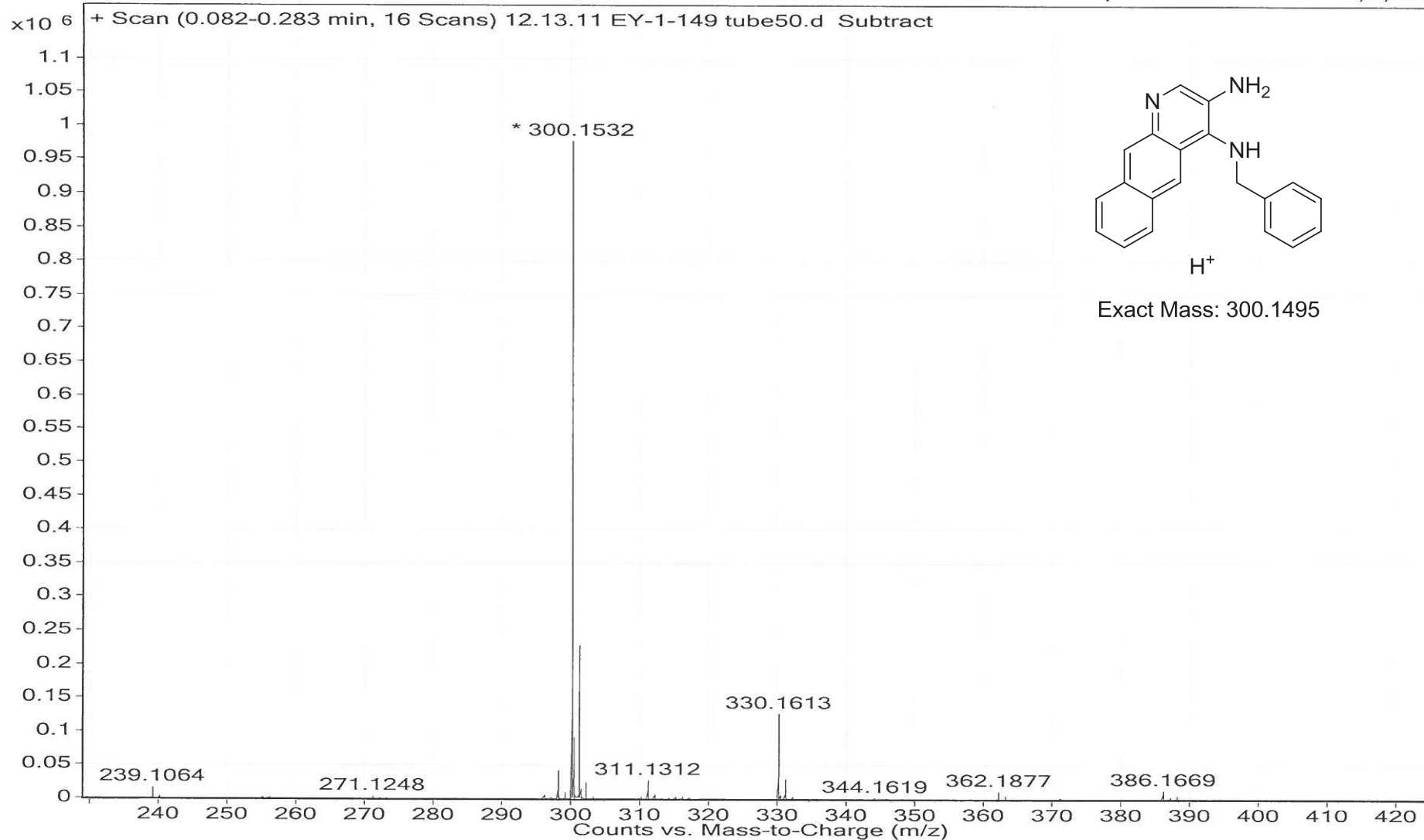
26 MS

Sample Name	11.23.11 EY-1-148	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	11.23.11 EY-1-148.d	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	11/23/2011 6:34:33 PM



# 27 MS

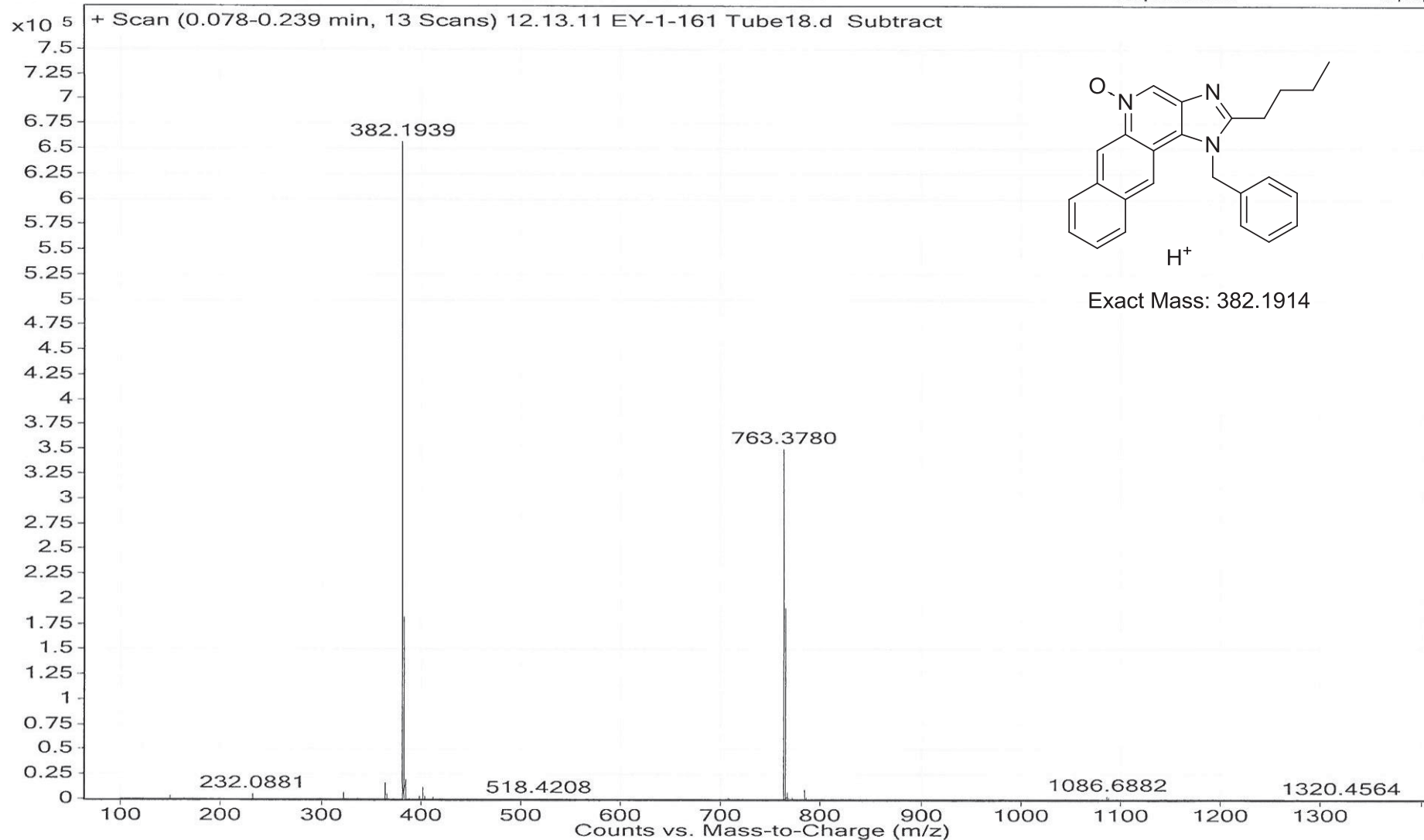
Sample Name	12.13.11 EY-1-149 tu	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	8	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	12.13.11 EY-1-149 tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	12/13/2011 6:50:18 PM



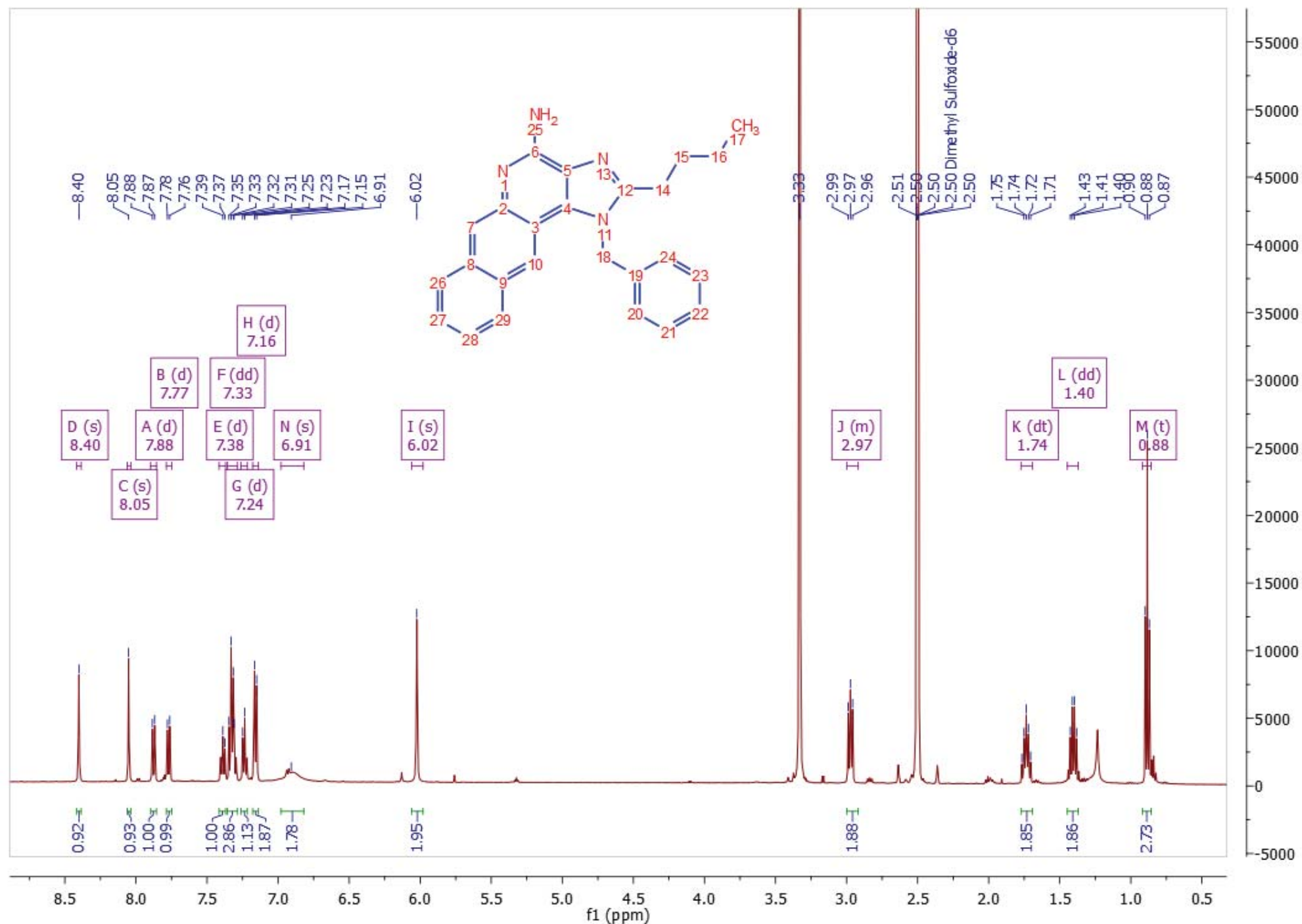


# 29 MS

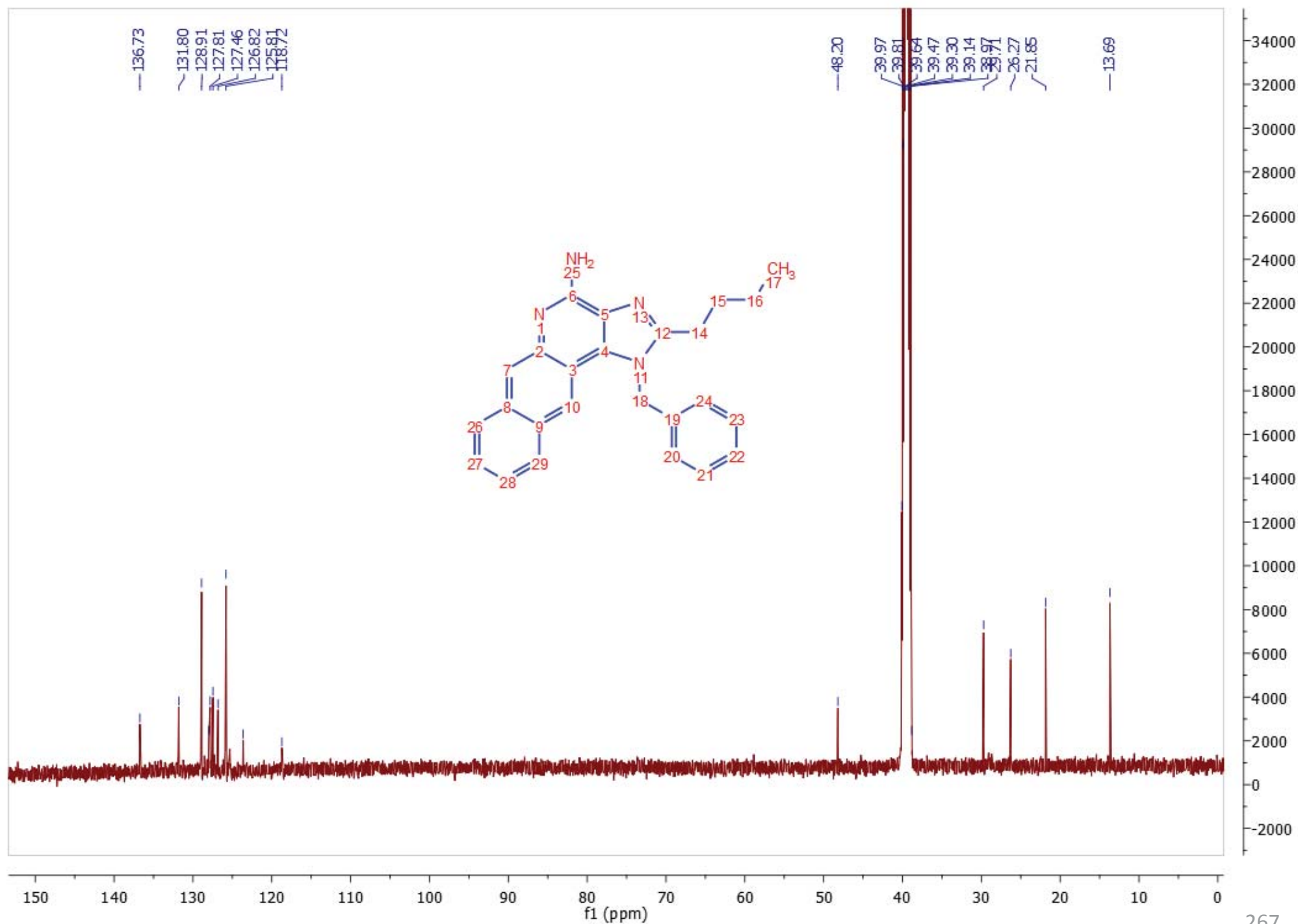
Sample Name	12.13.11 EY-1-161 Tu	Position	Vial 1	Instrument Name	Instrument 1	User Name	
Inj Vol	8	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	12.13.11 EY-1-161 Tu	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	12/13/2011 3:29:15



# 30 <sup>1</sup>H NMR

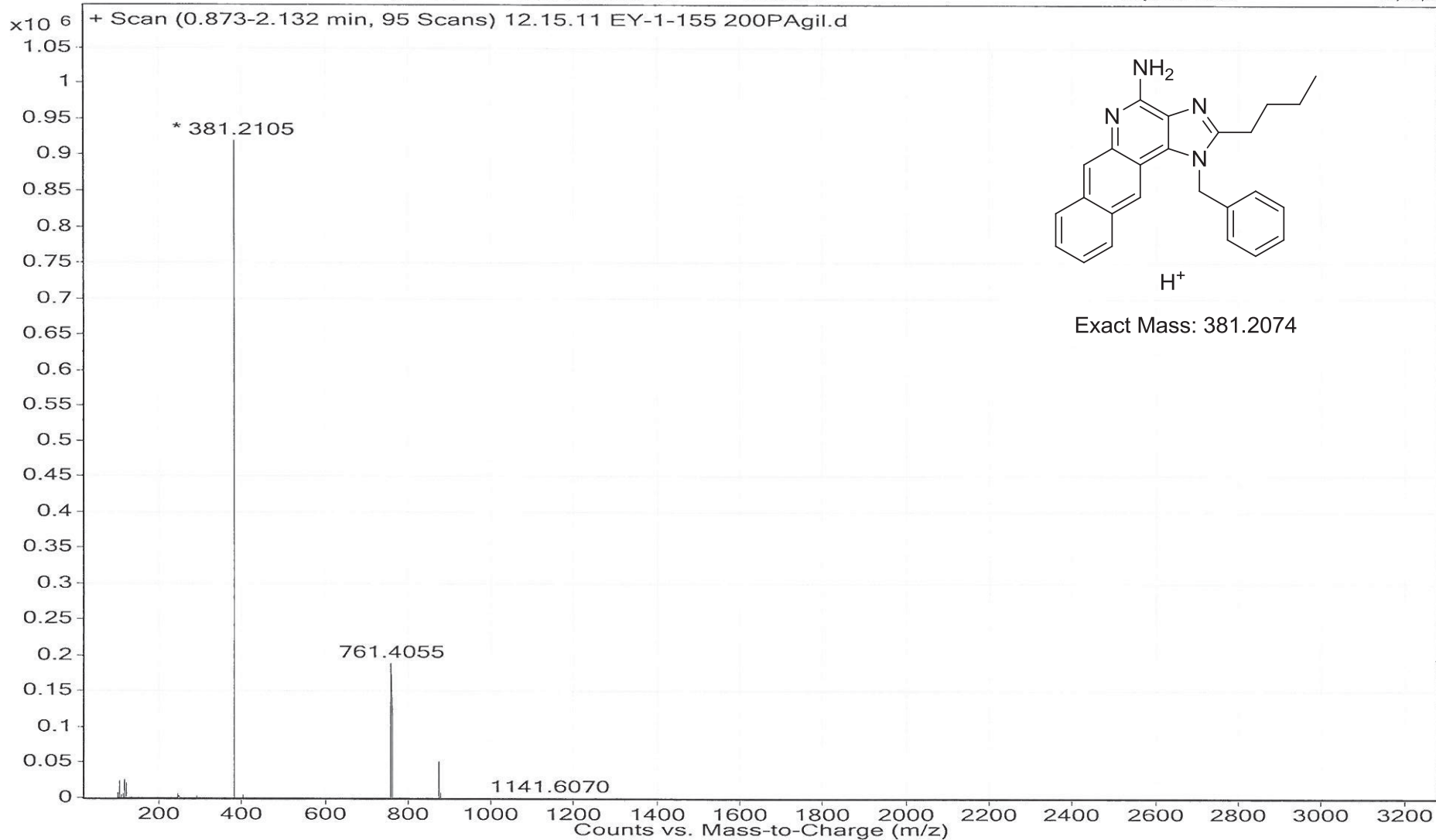


# 30 $^{13}\text{C}$ NMR



30 MS

Sample Name	12.15.11 EY-1-155 20	Position	Vial 2	Instrument Name	Instrument 1	User Name	
Inj Vol	8	InjPosition		SampleType	Sample	IRM Calibration Status	Success
Data Filename	12.15.11 EY-1-155 20	ACQ Method	Water-ACN Infusion M	Comment		Acquired Time	12/15/2011 3:44:38



# 30 LC-MS

